

The

CHEMIST AND DRUGGIST

Established 1859

28 Essex Street, Strand, London, W.C.2.

Registered as a Newspaper

No. 2731 VOL. CXVI. JUNE 11, 1932

Annual Subscription (with Diary) 20/-. Single Copies 9d.



Allen & Hanburys Ltd., London, E.2

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ACRIFLAVINE—BOOTS

One of the most potent of modern antiseptics, physiologically pure and extremely soluble in water, ACRIFLAVINE (BOOTS) kills organisms in a concentration of 1 in 100,000.

BISMOSTAB—BOOTS

A suspension of specially prepared, finely divided, pure Bismuth metal in 5% Glucose solution is non-irritant, highly concentrated, sterile and ready for use.

CHLORAMINE-T—(BOOTS)
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(BOOTS)

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(FELTON'S SERUM)

BOOTS PURE DRUG CO., LTD.

Manufacturing Chemists and Makers of Fine Chemicals

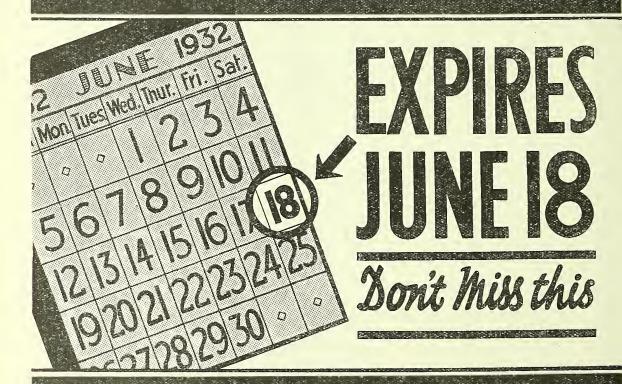
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THE MOST GENEROUS SPECIAL OFFER TO THE TRADE EVER MADE BY TO KALON



A Handsome Present Value IO/-

Write, Wire, or Phone for Details:TOKALON LTD. CHASE RD., ACTON, LONDON

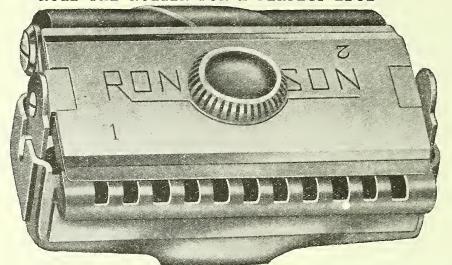
MASON PEARSON Announce ANOTHER "BRUSH YOUR HAIR WEEK"



"... stimulated the sale of brushes which had been in stock for some time." "... considerably increased our sales." "... helped the sale of other makes as well as the Mason Pearson." These are typical of the comments of Chemists and Hairdressers on "BRUSH YOUR HAIR WEEK" last year. So great was the success that it is being repeated this year. Choose your own week during this month or next, when National Advertising will be appearing — and send for FREE supplies of the full-colour Window Bill and fascinating Booklet reproduced here.



ROLL THE ROLLER FOR A PERFECT EDGE



Razor and strop in one...Ronson

WIII revolutionize your Razor Trade.

Sharpening done by a flick of the hand—no need to take the Razor to pieces for cleaning or drying—British made—Chromium plated throughout—Rustless Sheffield blades of extra super-steel—months of shaving from every blade. For you, 7/- clear profit on every

Ronson retailed at £1.1.0. Supported by an extensive Advertising Campaign. Try one yourself and you will be convinced of its superiority to any other razor. Write for samples and Trade Folder with full particulars.



by RONSON PRODUCTS LTD MANFIELD HOUSE STRAND W.C.2

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Staff AllenS PEPPERMINT OILS

ENGLISH AMERICAN JAPANESE

Send for Samples and prices to-day

ESTABLISHED 1833



We have grown and distilled English Peppermint for practically a century and import and rectify all varieties of foreign. We can supply a special blend to suit the individual taste.

(WHOLESALE TRADE ONLY)

STAFFORD ALLEN & SONS LTP.

Manufacturing Chemists, Essential Oil Distillers.

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MALT EX	TRACT WITH COD	LIVER OIL	
For Supply to Chem	nists Druggists Hospitals C	linics Institutions etc	
SERVICE AND SA	TISEACTION FROM TH	FACTUAL MAKERS	
MALT EXTRACT WITH COD LIVER OIL For Supply to Chemists, Druggists, Hospitals, Clinics, Institutions, etc. SERVICE AND SATISFACTION FROM THE ACTUAL MAKERS, C. TOLKIEN & CO., LTD., Malt Extract Works, SILSDEN, Yorkshire Telephone: STEETON 69 Telegrams: REMOGEN, 'PHONE, STEETON LONDON ADDRESS: 461a Caledonian Road, N.7 Telephone: NORTH 5047 A large selection of lithographed labels, artistic in design, and a most attractive get-up under customer's own name and address. Liberal show-matter supplied with all orders, also price tichets, etc.			
Telephone: STEETON 69	Telegrams:	REMOGEN, 'PHONE, STEETON	
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A large selection of lithog	raphed labels, artistic in design, and a	LIVER OIL Clinics, Institutions, etc. E ACTUAL MAKERS, S, SILSDEN, Yorkshire REMOGEN, 'PHONE, STEETON Road, N.7 most attractive get-up under ill orders, also price tickets, etc.	
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BAN-ÆMIA

A preparation of Malt Extract with added Vitamins A, B, C, and D. with desiccated Liver substance

Retail Prices: 21-,316,616 Jan

JEFFREYS, MILLER & Co., LTD.

LEYLAND MILLS Nr. WIGAN

Important Announcement

The Proprietors of



Compound
EPSOM SALTS
TABLETS
(Tasteless)

and

Gaukest

Compound

GLAUBER SALTS

TABLETS

(Tasteless)

have pleasure in announcing that they have recently revised their selling arrangements, and have now appointed

PEROX, LTD.

12 CHENIES STREET, LONDON, W.C.

to be

SOLE DISTRIBUTORS

of these two widely advertised and increasingly popular lines, which are making sales history by creating new and vastly more profitable trade in Epsom and Glauber Salts respectively.

Chemists who have not yet interested themselves in "KEST" and "GLAUKEST" are missing two of the finest money-making opportunities now open to the Profession, and should therefore hasten to get particulars and terms from the newly appointed Sole Distributors, as above.

There's been ANOTHER BIG

INCREASE

in the Sales of

Moorland Indigestion Tablets

during the month of May

These famous tablets have always been popular, but our National Advertising Campaign has resulted in a Remarkable Intensification of the popular demand. Moorlands are Booming! Moorlands are SELLING! Let them make more Money for YOU!

Every purchaser has been satisfied and they all testify to the many qualities of this fine product







The public demand a British Insecticide at a commonsense price. Here it is! SPRAI, complete with metal pump at 1/-. You want a Summer line which will sell itself and show BIG PROFITS. SPRAI'S margin of profit runs from 43% on 4 doz. lots to over 60% on gross lots.

ORDER NOW.

Write for Salesman to call.

SPRAI DEPARTMENT

ANGLO-AMERICAN PHARMACEUTICAL CO., LTD.

Galen Works, Dingwall Rd., CROYDON.

Selling Agents: H. A. PENNEY & CO., LTD., 179-185 Gt. Portland St., LONDON, W.

NOTE: SPRAI—the new BRITISH insecticide kills all insect pests INSTANTLY. Available in 8 oz., 16 oz. and 32 oz. tins. DOES NOT STAIN. New pleasant odour.

BACKED BY WIDESPREAD NATIONAL ADVERTISING CAMPAIGN

To Sprai Dept., Anglo-American Pharmaceutical Co., Ltd., 179-185 Gt. Portland St., London, W.

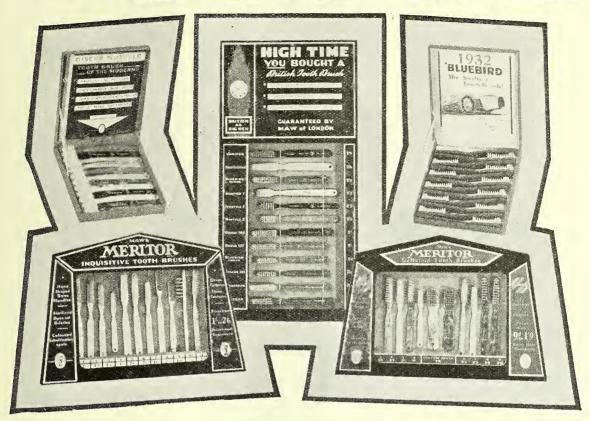
Please send me Parcel IA: A: B: C (strike out those not required).

Name

100% BRITISH 100% RELIABLE

4.0			
PARCEL	TA	Costs	Sells at
		£ s. d.	£ s. d.
3 doz. Combination Sets.	9/-	1 7 0	1 16 0
2 ,, 8 oz. Sets. 1 ,, 16 oz. ,,	8/- 1t/-	0 16 0 0 16 0	1 4 0
33 oz. "	28,-	0 7 C	0 10 6
		3 0 0	4 14 6
Less 71 per cent. cash with	order or cheque		111 0
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Profit £1 13s. 6d.	Free Bonus 2 16	oz. Tins.	
PARCEL	Α		
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4 Soz. Tins		1 12 0	2 8 0
1) , 16 oz. ,		1 4 0	1 16 0 0 10 6
t ,, 32 oz. ,,			
Less 73 per cent, cash with	orden en cheere	5 8 0	7 14 6
dated SO days from order		0 8 0	
		5 0 0	
Profit £2 14s. 6d. Fr	ce Bonus of 4 16 c	z. Tins.	
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PARCEL	В		
10 doz. Combination Sets		4 10 0	6 0 0
8 ,, 8 oz. Tins		3 4 0 2 8 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
3 ,, 16 oz. ,, 1 ,, 32 oz. ,,		0 14 0	1 1 0
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Less 10 per cent, cash with		10 10 0	15 9 0
		1 1 7	
		9 14 5	
Profit £5 14s. 7d. Fr	ee Bonus of 1 doz	. 16 oz. Tins.	
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PARCEL			
20 doz. Combination Sets	••	9 0 0	12 0 0 9 12 0
16 , 8 oz. Tins 6 , 16 oz. ,		6 8 0 4 16 0	7 4 0
1 ,, 32 oz. ,,		1 8 0	2 2 0
		21 12 0	30 18 0
Less 10 per cent. cash with	order or cheque		
dated 30 days from order	** **	2 3 2	
		19 8 10	
Profit £11 9s 2d, Fre	ee Bonus of 3 doz.	16 oz. Tins.	

THE BIG FIVE



Arresting Attention and Pursuing New Business

Let them be the guardians of the high spots of your counter space, the protectors of your present and future tooth brush business. Each of them presents a silent selling appeal to every customer who comes to your counter. Each of them sells constantly and profitably for you during every minute of every working hour.

MERITOR MARK IV*

Bone Tooth Brush Display Cabinet. Free with $5\frac{1}{2}$ dozen assorted patterns, costing £3 9 9. Gives you 74% profit on cost.

MERITOR MARK V*

Celluloid Tooth Brush Display Cabinet. Free with $5\frac{1}{2}$ dozen assorted patterns, costing £3 10 3. Gives you 62% profit on cost.

HIGH TIME CASE -

The most modern of Celluloid Tooth Brush Display Cabinets. Free with one gross assorted patterns, costing £4 8 0. Gives you 73% profit on cost.

DISCUS NUSTYLE -

The ultra modern short head celluloid tooth brush with immaculate handles. Senior 8/6 per dozen; Junior 5/6.

1932 BLUEBIRD -

Another modern all-British Celluloid Tooth Brush, introduced to commemorate Sir Malcolm Campbell's speed achievements. Senior and Junior, 8/6 and 5/6 per dozen.

* WITH NEW INBUILT POLISHED WOODEN STOCK CONTAINER

MAW - LONDON AND BARNET



You use printing—Does it create a welcome for your salesmen?—Does it create business?

WHEN YOU SEND OUT A PIECE OF PRINTING, WHATEVER FORM IT MAY TAKE, IT REPRESENTS YOU OR YOUR FIRM IN A MOST DEFINITE MANNER. IT WILL ALSO CREATE AN IMPRESSION—AN IMPRESSION THAT WILL EITHER BE GOOD OR BAD. IF YOUR PRINTING HAS BEEN GIVEN THE THOUGHT IT DESERVES AND ENTRUSTED TO A GOOD PRINTER FOR ITS FINAL PRODUCTION, THERE IS NO NEED TO WORRY VERY MUCH ABOUT THE IMPRESSION IT WILL CREATE. YOU WILL BE ABLE TO FEEL SURE THAT IT WILL SPEAK TRUTHFULLY FOR YOU AND YOUR PRODUCTS. IT WILL CREATE THAT ALL-IMPORTANT "GOOD IMPRESSION" AND IT WILL ALSO CREATE A HAPPY WELCOME FOR THE REPRESENTATIVE WHO FOLLOWS IN PERSON. IT WILL HELP TO CHANGE THOSE WELCOMES INTO ORDERS, SALES, MONEY! THEREFORE, WORK OUT YOUR PROBLEMS WITH A GOOD PRINTER.

WAIDES for Good Printing

THOMAS WAIDE & SONS LTD., The Printers, KIRKSTALL ROAD, LEEDS.



Nasal Jelly

CONTAINING

AND ADRENALINE EPHEDRINE FOR

HAY FEVER AND SUMMER COLDS

You can recommend with the utmost confidence Ephregel Jelly in all cases where quick and certain relief is sought for.

It is free from grease and is cleanly in use.

Ephregel lessens any tendency to complications from related complaints, such as Asthma.

Packed in collapsible tubes with nozzle in display outers.

> Price 1/6 retail. 11/3 nett, wholesale.

Evans Sons Lescher & Webb Ltd.

LONDON, LIVERPOOL AND DUBLIN.

POPPOR TO PROPERTO DE LA PROPERTO DEL PROPERTO DE LA PROPERTO DEL PROPERTO DE LA PROPERTO DEL PROPERTO DE LA PROPERTO DEL PROPERTO DEL PROPERTO DE LA PROPERTO DE LA PROPERTO DE LA PROPERTO DEL PROPERTO DEL PROPERTO DEL PROPERTO DEL PROPERTO DE LA PROPERTO DE LA PROPERTO DE LA PROPERTO DEL PR

A copy of this Prospectus has been delivered for registration to the Registrar of Companies. The List will be opened on 14th day of June 1932 and closed on or before the 16th day of June 1932,

WRIGHT, UMNEY

IMITED

(Incorporated under the Companies Act 1929.)

SHARE CAPITAL

£340.000.

DIVIDED INTO

280,000 Seven per cent. Cumulative Preference Shares of £1 each, and 60,000 Ordinary Shares of £1 each.

Issue of 280,000 Seven per cent. Cumulative Preference Shares of £1 each at par.

The 7 per cent. Cumulative Preference Shares confer the right to a fixed cumulative preferential dividend at the rate of 7 per cent. The capital for the time being paid up thereon out of the profits available for distribution and determined to be distributed, and rank in a winding up as regards return of capital and payment of arrears of dividend down to the commencement of the winding up (whether declared or not, and whether or not there shall have been profits available for the payment thereof) in priority to the Ordinary Shares, but do not confer the right to any further participation in profits or assets.

No Shares may be issued ranking in priority to or pari passu with the present issue without the sanction of an Extraordinary Resolution of the 7 per cent. Cumulative Preference Shares now offered for subscription on the 1st day of October and the 1st day of April in each year, commencing with the 1st day of October 1932, the first half-yearly instalment to be paid on the 1st October 1932, on the paid-up Preference Shares, at the rate of 7 per cent.

Hun And B And R And

MIDAND BANK LIMITED are authorised as Bankers on behalf of the Company to receive subscriptions for the above 280,000 7 per cent. Cumulative Preference Shares at par payable as follows:—

HERBERT CASSIN WRIGHT, Pharmaceutical Chemist, Bamville, Harpenden Common, Herts (Chairman).

ERNEST ALBERT UMNEY, Pharmaceutical Chemist, Welbeck House, Downs Side, Cheam, Surrey (Viee-Chairman).

ERNEST BLAKESLEY LAYMAN, Wholesale Druggist, "Blakesley," Flag Head Road, Canford Cliffs, Dorset.

JAMES KNIGHT, Secretary, 118 Foxley Lane, Purley, Surrey.

JAMES HAMERTON, Pharmaceutical Chemist, 21 Courtside, Sydenham, S.E.26.

REGINALD EDWARD CONDER, Pharmaceutical Chemist, F.C.I.S., B. Com. (Lond.), 33 Hogarth Road, S.W.5.

[All the above are Directors of WRIGHT, LAYMAN & UMNEY LIMITED.]

BANKERS. MIDLAND BANK LIMITED, Ponltry, London, E.C.2, and Branches. SOLICITORS.
McKENNA & CO., 31/34 Basinghall Street, E.C.2.

EVANS, FRIPP, DEED & CO., Chartered Accountants, 90 Cannon Street, E.C.4.

BROKERS.

SIDNEY J. LOVELL & CO., Pinner's Hall, Austin Friars, E.C.2, and Stock Exchange.
S. C. CORK & SON, 1 Copthall Chambers, E.C.2, and Stock

Exchange.
SECRETARY AND REGISTERED OFFICE.
JAMES KNIGHT, 46, Southwark Street, London, S.E.1.

PROSPECTUS

THE Company has been formed for the purpose of taking over as a going concern and further developing the business of Wright, Layman & Umney Limited thereinafter called "the Vendor Company"), of Southwark, Wholesale and Export Druggists, Manufacturers of Pharmacentical and Chemical Preparations, Distillers of Essential Oils, Analytical Chemists, Manufacturers and Proprietors of Wright's Coal Tar Soap and other Coal Tar Soepialities.

The Vendor Company was incorporated in the year 1909 for the purpose of acquiring the undertaking and business of a former Company of Similar nane and has carried on the business since that date. The business was established in the year 1849 or shortly prior thereto, in the City of London, and in or about 1866 the business was transferred to larger premises in Southwark Street. In 1899 the continued growth of the business necessitated the acquisition of manufacturing premises in Park Street, Southwark, and since that date these premises have been continuously enlarged, so that to-day they are modelled on the latest designs required for efficient factory management. management.

The Vendor Company occupies a foremost position in the Drug and Chemical trade, and has upwards of 9,000 customers, which include Chemists, Medica! Practitioners, Dentists, Veterinary Surgeons,

Hospitals, Public Iustitutions, Merchants, Stores and others, in all parts of the world.

Wright's Coal Tar Soap, which was first introduced in or about 1860, is to-day recognised by the Medical Profession as the leading antiseptic Tollet Soap, and the world-wide sale which this product enjoys is a clear indication of its outstanding merits.

The business premises situated in Southwark Street consist of ware-houses and offices, while those in Park Street, Southwark, consist of laboratories, drug mills and floors equipped with extensive machinery and plant for the manufacture of Soap and Medicinal Preparations. Up-to-date garages have also been added to accommodate the Company's growing fleet of commercial vehicles.

Mr. Herbert Cassin Wright, who acted as Chairman of the Vendor Company since 1916, will act as Chairman of the Company. Mr. Ernest Albert Unney, who acted as Vice-Chairman of the Company, while Mr. Ernest Blakesley Layman, Mr. James Knight, Mr. James Hamerton and Mr. Reginald Edward Couder, who have been directors of the Vendor Company for several years, will also act in similar capacities with the Company.

The Company, therefore, will enjoy the same management as that which has successivily conducted the Vendor Company for many years.

In order to enable the Company mon registration to obtain the

years.

In order to enable the Company upon registration to obtain the benefit of the name of the Vendor Company, the Vendor Company went into a members' voluntary winding up on the 30th May 1932.

The Company will take over the business of the Vendor Company from the Liquidator as a going concern as from the 31st day of December 1931. Certain assets, namely, the cash in haud and investments as at that date, and the book debts due to the Vendor Company as at that date, have not been soid to the Company, and the liabilities of the Vendor Company (except liabilities arising in respect of the period subsequent to the 31st day of December, 1931, in connection with continuing contracts entered into in the ordinary course of business or the leasehold preuises) will not be taken over by the Company.

The purchase price of the property of the Vendor Company (who

business or the leasehold premises) will not be taken over by the Company.

The purchase price of the property of the Vendor Company (who are the promoters of the Company) included in the sale has been fixed at £320,000, payable as to £260,000 in cash and as to £60,000 by the allotment to the Vendor Company or its Liquidator or to its or his nominees of 60,000 Ordinary shares of £1 each in the Company credited as fully paid.

The property to be transferred to the Company will comprise, in addition to the goodwill of the Vendor Company (including the Trade Marks and Registered Designs) and the full benefit of all contracts and orders in the ordinary course of business pending as at the 31st December 1931, the freehold and leasehold properties of the Vendor Company, which have been valued as below by Messrs. Field & Sons at £29,800, the fixed plant, machinery and fixtures, loose plant, tools and utensils, and motor delivery vans and motor cars, which have been valued as below by Messrs. Fuller, Horsey, Sons & Cassell as a going concern at the 31st December 1931 at £23,817, the stock-in-trade of the value as at the same date taken at cost or market price, whichever is the lower, as certified by the former Managing Directors of the Vendor Company of £36,899 7s. 2d., and the leasehold redemption policies of the surrender value at that date, as certified by the Insurance Companies of £3,088 17s. The amount of the purchase consideration attributable to goodwill is £22,5,409 9s. 10d.

The following report has been furnished by the Company's Auditors Messey Evans. Evinn. Deed & Ca. who and whose predesseare.

The following report has been furnished by the Company's Auditors, Messrs. Evans, Fripp, Deed & Co., who, and whose predecessors in business have for 49 years past audited the accounts of the Vendor Company or its predecessors:—

90 Cannon Street, London, E.C.4. 3rd June 1932.

To the Directors of WRIGHT, LAYMAN & UMNEY (1932) LIMITED, 46 Southwark Street, London, S.E.1.

1930 ... 1931 ...

As your Company, Wright, Layman & Umney (1932) Limited, has only just been registered, no accounts have been made up by your Company in respect of any part of the period of three years ending on a date three months before this date, and no divi-

years ending on a decident law tespect of the dends have been paid in respect of the dends have been paid in respect of the decident law tespect of the company.

Yours faithfully,
EVANS, FRIPP, DEED & CO.
The following report has been made by Messrs. Field & Sons, 54 Borough High Street, S.E.I., as to the value of the freehold and leasehold properties to be taken over by the Company:

54 Borough High Street,
London Bridge, S.E.I.
3rd June 1932.

To the Directors of WRIGHT, LAYMAN & UMNEY (1932) LIMITED, 46 Southwark Street, S.E.1.

DEAR SIRS,
We have reinspected the premises of Messrs. Wright, Layman & Umney Ltd. (hereinafter called "the Vender Company") in Park Street and Sonthwark Street, both of which have been known to us for many years, to enable us to report to you upon the present day value of the Vender Company's interest therein, having regard to the purposes for which such premises are used in connection with its business

to the purposes for which such premises are used in connection with its business. Nos. 66, 68, 70, 72, 74 and 76 Park Street.

We understand that the premises, 66, 68, 70 and 72 Park Street, are the Freehold property of the Vendor Company, and, having regard to the way in which they have been maintained, we have not considered it necessary in arriving at our valuation to make any deduction such as is usually necessary by reason of premises not being in a sufficiently good state of repair to satisfy a reasonably minded purchaser. The premises, Nos. 74 and 76 Park Street, are also the Freehold property of the Vendor Company, but are not used in connection with the business, and are let to tenants. In our opinion, the value of the Freehold interest in this property is TWENTY-TWO THOUSAND FIVE HUNDRED AND FIFTY POUNDS (622,550).

Nos. 44, 46, 48 and 50 SOUTHWARK STREET.

We understand that the four premises are held by the Vendor Company under four full repairing leases for unexpired terms as follows:—

We understand that the four premises are nead by the venuor company under four full repairing leases for unexpired terms as follows:—

No. 44 . 13\frac{1}{2}\$ years from Christmas, 1931, at a rent of £296 per annum.

No. 46 . 80 years from Midsummer, 1865, at a rent of £140 per annum.

No. 48 . 38\frac{3}{4}\$ years from Lady Day, 1906 (less 14 days), at a rent of £325 per annum.

No. 50 . 38\frac{3}{4}\$ years from Lady Day, 1906 (less 14 days), at a rent of £325 per annum.

We also understand that the Vendor Company pays au additional acknowledgment rent of £42 per annum to the Freeholder of No. 46 in respect of the openings which it has cut in the party walls on either side of the premises.

It will be seen that the leases of Nos. 44 and 46 expire at Midsummer, 1945, and those of Nos. 48 and 50 in December, 1944. We also understand that in 1924 the Vendor Company acquired the Freehold interest in No. 44 Southwark Street and that the lease intervening between that interest and the sub-lease under which it holds the premises is co-terminons with the sub-lease, so that at the expiration of its Leasehold interest in these premises the Freehold in possession will revert to it.

In our opinion the value of the Vendor Company's Leasehold interest in the various premises, as defined above, together with its Reversionary interest in No. 44 Southwark Street is SEVEN THOUSAND TWO HUNDRED AND FIFTY POUNDS (£7,250). The total value of the Vendor Company's various interests in the whole of the premises occupied by it in Park Street and Southwark Street is, therefore, in our opiniou,

TWENTY-NINE THOUSAND EIGHT HUNDRED POUNDS (£29,800)

having regard to the use to which the Vendor Company puts the premises Yours faithfully

Tonrs taithfully, FIELD & SONS.

The following report has been made by Messrs. Fuller, Horsey, Sons & Cassell as to the value of the plant and machinery, etc., to be taken over by the Company:—

11 Billiter Square,
Fenchurch Street,
London, E.C.3.
3rd June 1932.

To the Directors of WRIGHT, LAYMAN & UMNEY (1932) LIMITED, 46 Southwark Street, S.E.1.

46 Southwark Street, S.E.I.

GENTLEMEN,
We have attended at the Toilet Soap and Drug Factory in Park
Street, Southwark, and at the Warehouses, Offices and Stores at,
44, 46, 48 and 50 Southwark Street, of Wright, Layman & Umney
Limited, and have made an Inspection and Valuation of the whole
of the Fixed Plant, Machinery and Fixtures, Loose Plant, Tools
and Utensils therein, and of that Company's motor delivery vans
and motor cars, and in our opinion the fair value as a Going Concern
as on the 31st December 1931 of the said Plant. Machinery and
Motor Vehicles was the sum of TWENTY-THREE THOUSAND
EIGHT HUNDRED AND SEVENTEEN POUNDS (\$23,817).
We are, Gentlemen,
Vonrs faithfully,
FULLER, HORSEY, SONS & CASSELL.

The following certificates have been given by the Royal Insurance Company Limited and the Law Union & Rock Insurance Company Limited, as to the value of the Leasehold Redemption Policies to be taken over by the Company:

ROYAL INSURANCE COMPANY LIMITED,
24 to 28 Lombard Street, London, E.C.3.
3rd June 1932.

To the Directors o, WRIGHT, LAYMAN & UMNEY (1932) LIMITED, 46, Southwark Street, London, S.E.1. CAPITAL REDEMPTION POLICY No. 362.

GENTLEMEN,
In answer to your request we beg to inform you that the Sur render Value of the above Policy as at the 31st December 1931 was £1,141.

Yours faithfully,
H. BEVINGTON,
For London Manager,
7 Chancery Lane, London, W.C.2.
3rd June 1932.

To the Directors of WRIGHT, LAYMAN & UMNEY (1932) LIMITED, 46 Southwark Street, London, S.E.1.

London, S.E.1. LEASEHOLD REDEMPTION POLICY No. I.S. 674.

GENTLEMEN,
In answer to your request we beg to inform you that the Surrender Value of the above Policy as at 31st December 1931 was £1,897 17s.

LAW UNION & ROCK INSURANCE CO. LTD.

F. R. THOMSON, Assistant Actuary.

It will be seen from the Auditors' Report set ont above that the profits of the business of the Vendor Company ascertained as therein stated for the year ending 31st December 1931 show an increase of 213,253 18s. 1d. over those for the year 1920, and of £7,289 17s. 1d. over those for the year 1920.

The Directors, after carefully reviewing the trading from 1st January 1932, believe that the results for this year will be as satisfactory as those for the year 1931.

The minimum amount which, in the opinion of the Directors, must be raised by the present issue in order to provide the sums below mentioned is £280,000, made np as follows:

(A) So much of the purchase price of the business and assets agreed to be sold to the Company as is payable in cash: £290,000.

(B) Preliminary Expenses: Nil.

(B) Preliminary Expenses: Nil (C) Working Capital: £20,000.

(c) Working Capital: £20,000.

The preliminary expenses of and incidental to the formation of the Company down to and including the general allotment of the shares now offered will be paid by the Vendor Company or its Liquidator, and the estimated amount thereof is £11,000.

No other amounts are in the opinion of the Directors required to be provided in respect of the matters specified in the Fourth Schedule, Part 1 Paragraph 5 (1) of the Companies Act 1929 otherwise than out of the proceeds of this issue.

No part of this issue is or will be underwritten for commission, but the Directors, in proportion to their respective aggregate holdings of Preference and Ordinary Shares in the Vendor Company, have agreed to subscribe at par for such number of Preference Shares as shall not be subscribed for by the public.

The Articles of Association of the Company contain the following provisions:—

provisions

The Articles of Association of the Company contain the following provisions:

(A) (a) Subject to any priorities that may be given upon the issue of any new shares or may for the time being be subsisting, the profits of the Company available for distribution, and determined to be distributed, shall be applicable, first, in payment of a fixed cumulative preferential dividend at the rate of 7 per cent, per annum upon the capital for the time being paid up on the 7 per cent, cumulative preference shares of £1 each and, subject thereto, shall be distributed as dividend among the holders of the ordinary shares in accordance with the amounts paid up thereon, and in the event of a winding up, the holders of the 7 per cent. cumulative preference shares shall be entitled to receive ont of the assets of the Company the capital paid up on the said preference shares, together with a sum equivalent to any arrears of fixed cumulative preferential dividend, whether deelared or undeclared, and whether or not there shall have been any profits available for the payment thereof up to the commencement of the winding up, in priority to the claims of the holders of the ordinary shares, but shall not be entitled to any further participation in profits or surplus assets.

(b) The balance of the assets of the Company will be distributable among the holders of the ordinary shares in accordance with the shares held by them respectively.

(c) The Company shall not, without the previous sanction of an Extraordinary Resolution, passed at a separate meeting of the holders of the 7 per cent. cumulative preference shares for the time being, create or issue any further shares ranking pair passu with or in priority to the said 7 per cent. cumulative preference shares for the time being, create or issue any further shares ranking pair passu with or in priority to the said 7 per cent. cumulative preference shares for the

with or in priority to the said 7 per cent, cumulative preference shares.

(B) Subject as hereinafter provided and subject to any special rights or restrictions as to voting for the time being attached to any class of shares, upon a show of hands, every member present in person or by proxy shall have one vote for every member present in person or by proxy shall have one vote for every share held by him: Provided that the holders of the 7 per cent, cumulative preference shares shall have no right to receive notice of or to be present or to vote, either in person or by proxy, at any General Meeting by virtue or in respect of their holdings of preference shares (A) miless the preferencial dividend thereon shall be six months in arrear, or (B) unless a resolution is proposed at such meeting affecting the rights or privileges of the holders of such preference shares or for reducing the capital of the Company or for the winding up of the Company, in which case they shall only be entitled to be present and vote in respect of such resolution. For the purposes of this Article the preferential divideud on such preference shares shall be deemed to be in arrear if not paid on the 1st day of April in each year.

(c) The qualification of a Director shall be the holding in his own right alone, and not jointly with any other person, of shares of the Company of the nominal value of £100.

- o) The remuneration of the Directors shall be at the rate of £1,200 per annum, and such further sums (if any) as shall from time to time be voted to them by the Company in General Meeting, and such remuneration shall be divided amongst the Directors as they shall agree, or failing agreement, equally. The Directors shall also be entitled to be repaid all travelling, hotel and other expenses incurred by them in and about the business of the Company, including their expenses of travelling to and from Board or Committee Meetings.
- The Directors may grant special remuneration to any member of the Board who, being called upon, shall be willing to render any special or extra services to the Company, or to go or reside abroad in connection with the conduct of any of the affairs of the Company. Such special remuneration may be made payable to such Director in addition to or in substitution for his ordinary remuneration as a Director, and may be made payable by a lump sum or by way of salary, or by a percentage of profits, or by any or all of those modes.
- all of those modes.

 The Directors may from time to time appoint one or more of their body to be Managing Director or Managing Directors or Sectional Managers for such period, at such remuneration and upon such terms as to the duties to be performed, the powers to be exercised and all other matters as they think fit, but so that no Managing Director or Sectional Manager shall be invested with any powers or cutrusted with any duties which the Directors themselves could not have exercised or performed. The remuneration of a Managing Director or Sectional Manager may be by way of salary or commission or participation in profits, or by any or all of those modes.
- of by any of a reference modes.

 The Directors may make such arrangements as may be thought fit for the management of the Company's affairs abroad, and may for this purpose (without prejudice to the generality of their powers) appoint local boards, attorneys and agents, and fix their renumeration, and delegate to them such powers as may be deemed requisite or expedient.
- i) A Director may hold any other office or place of profit under the Company (except that of Auditor) in conjunction with his office of Director, and on such terms as to remuneration and otherwise as the Directors shall approve.

otherwise as the Directors shall approve.

(H) A Director may hold office as a Director in or Manager of any other Company in which this Company is a shareholder or is otherwise interested, and shall not (unless it is otherwise agreed) be liable to account to this Company for any remuneration or other benefits receivable by him from such other Company.

The Directors are interested as shareholders in the Vendor Company (which has an issued share capital of £180,000, divided into 90,000 Preference Shares and 90,000 Ordinary Shares, all of £1 each) and the respective holdings of the Directors in the Vendor Company are as follows: The said Herbert Cassin Wright, £550 Preference and 19,558 Ordinary Shares; the said Ernest Albert Umney, 700 Preference and 11,580 Ordinary Shares; the said Ernest Blakesley Layman, 5,470 Preference and 11,350 Ordinary Shares; the said James Knight, 5 Preference and 510 Ordinary Shares; the said James Hamerton, 817 Preference and 510 Ordinary Shares; and the said Reginald Edward Conder, 510 Ordinary Shares;

A copy of the Memorandum of Association of the Company is printed in the fold of this Prospectus and forms part thereof.

Apart from contracts entered into in the ordinary course of business, the following contracts, which are or may be material, have been entered into .--

- A Contract dated the 3rd June 1932 and made between the Vendor Company (whose registered office is situate at No. 46 Southwark Street, London, S.E.I), Herbert Alfred Deed, of 90 Cannon Street, London, the Liquidator thereof, and the Company.
- Contract made the 3rd June 1932 between the Company and its Directors, whereby the Directors in proportion to their respective aggregate holdings of Preference and Ordinary Shares in the Vendor Company have agreed to subscribe at par for such number of Preference Shares as shall not be subscribed for by the public.
- public.

 Five Agreements, all dated the 3rd June 1932 respectively, made between the Company and (a) Herbert C. Wright, whereby he agrees to serve the Company as Managing Director at an annual salary of £1,800; (b) Ernest A. Umney, whereby he agrees to serve the Company as Managing Director at an annual salary of £1,800; (c) James Knight, whereby he agrees to serve the Company as Secretary at an annual salary of £1,300; (d) James Hamerton, whereby he agrees to serve the Company as Works Manager at an annual salary of £1,300; and (c) Reginald E. Conder, whereby he agrees to serve the Company as Warchouse Manager at an annual salary of £1,300;

Manager at an annual salary of \$1,500.

A copy of the Company's Memorandum and Articles of Association, the Reports of Messrs. Evans, Fripp, Deed & Co., Messrs. Field. & Sons and Messrs. Fuller, Horsey, Sons & Cassell, the certificates of the Royal Insurance Company Limited and of the Law Union & Rock Insurance Company Limited, and copies of the above-mentioned contracts, can be inspected at the office of the Company's Solicitors, Messrs. McKenna & Co., 31/34 Basinghall Street, E.C.2, during business hours on any day on which the Application List is open.

Applications for Preference Shares should be made on the form accompanying this Prospectus and should be sent to Midland Bank Limited, Poultry, London E.C.2, or any of its Branches, together with a remittance for the amount payable on application.

If no allotment is made, the application money will be returned in full, and where the number of shares allotted is less than that applied for, the balance of the deposit will be applied towards the amount payable on allotment, and any surplus will be returned.

Interest at the rate of 7 per cent, per annum will be charged on all in tallority in arrest on due dates.

instalments in arrear on due dates,
Failure to pay the amount due on allotment or any subsequent instalment will render the shares and previous payments liable to

A brokerage of 1½ per cent, on the nominal amount of the shares allotted will be paid in respect of allotments made on public applications bearing the stamp of a broker, bank or other approved agent. Certificates for Preference Shares will be ready for issue in exchange for fully-paid allotment letters on or after 20th August 1932.

Application will be made in due course to the Committee of the Stadt Evelongs Lordon for a perfection of the letters of the course to the continuous processing the stadt of the course to the committee of the stadt processing the shall be and for an effective course to the course to

Application will be made in due course to the characteristics of the Stock Exchange, London, for permission to deal in and for an official quotation for the Preference Shares now being issued.

Prospectuses and forms of application can be obtained from the Bankers and Brokers and from the Registered Office of the Company. Dated 3rd June 1932.

FORM OF APPLICATION

To the Directors of

WRIGHT. LAYMAN & UMNEY (1932) LIMITED.

Having paid to your bankers the sum of £......being a deposit of 2s. 6d. per Share on application for...... Seven per cent. Cumulative Preference Shares of £1 each, I/we hereby apply for and request you to allot me/us that number of Shares of your Company upon the terms of the Company's Prospectus dated 3rd June 1932, as delivered to the Registrar of Joint Stock Companies and subject to the Memorandum and Articles of Association of the Company, and I/we hereby agree to accept such Shares, or any less number that may be allotted to me/us, and I/we agree to pay the balance due on the said Preference Shares allotted to me/us by the instalments as specified in the said Prospectus, and I/we hereby authorise you to place my/our name(s) on the Register of the Company as the holder(s) of the said Shares.

Usual Signature Surname (Block Letters) PLEASE WRITE DISTINCTLY. Christian Name or Names (in full)..... Address (in fuli) Profession or Occupation. (A lady should state whether she is a spinster, married woman or widow)

June 1932.

THIS FORM MUST BE FILLED UP AND SENT WITH REMITTANCE TO MIDLAND BANK LIMITED, POULTRY, LONDON, E.C.2, OR ANY OF ITS BRANCHES. Further copies of this Prospectus may be obtained from the Midland Bank or the Company.

Cheques must be made payable to Bearer and crossed "Not Negotiable." If altered from "Order" to "Bearer" the alteration should be signed by the drawer.

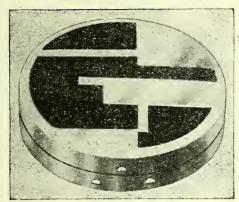
No receipt will be issued for payment on application, but in due course Letters of Allotment will be sent or the deposit returned by

cheque through the post.

Marvellous Value

Price Reduced

THE "MUL-KOH"
POWDER SIFTER CASE



Natural size

II/6 per dozen

Retailers can obtain through usual Wholesale Houses

COCOANUT OIL SOFT SOAP OLIVE OIL SAPO MOLLIS B.P. BASE OF LIQUID TOILET SOAP BASE OF LIQUID SHAMPOOS

W. M. DELF & CO.

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ENGLAND'S LAST WORD

IN SAFETY RAZOR BLADES
THE GREAT "TOM THUMB"

Retails /

at

1d.



Retails at

1d.

each

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ALTHOUGH new to this country, Liquid Taky has been proved in five countries to be a sound selling line. This crystal clear liquid marks a new era in depilatories. Sound advertising of this guaranteed product will ensure you a steady turnover.

LIQUID TAKY

Retails 2/6. Trade 20/- dozen

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Retails 1/3. Trade 10/- dozen Retails 1/9. Trade 14/- dozen

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15 Gt. James Street, W.C.1 Telephone: Holborn 9971



Lipvac No. 5 "HARDGLAS" NOW MADE IN

GLAND



INCREASE IN NO SELLING PRICE!

No. 5 LIPVAC PINT SIZE 2/6 No. 5 LIPVAC QUART SIZE Fixed selling price, 2/6. Trade, 22/- doz. 2/6 Fixed selling price, 4/6. Trade, 39/- doz.

Immediate delivery from your usual Wholesaler. Guaranteed by LIPVAC FLASKS LIMITED, 8 & 9 Ludgate Square, London, E.C.4.

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Order a stock TO-DAY and make sure you do not disappoint any of YOUR Customers.

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ARE YOU READY FOR Per packet



Geo. H. Lawrence, Ltd., Laurel Works, Nursery St., Sheffield

OCEAN BRITISH BLADES 125% PROFIT! show you

PER GROSS EASILY BEST !



Scientifically made of first quality Steel, in our own British factory. The blade that builds permanent custom Millions in use. Handsome profit and no risk.

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GROSS RETAIL 7/6 finest and set lifest selling penny blade on the market. Made of the best Silver Steel. Attractive Showcards. Stocked by leading wholesalers. If any difficulty, write direct, enclosing cheque or P.O. to

OCEAN BLADES (Gt. Britain), LTD.
Sales Dept., 1-5 Bridgewater Place, London, E.C.1. Clerk: 6257
Blades made under Customers' Own Name. State quantity.

OVER

This Profit on your outlay is guaranteed to you by

53%!! The FLEET Blade



A Sheffield Product from the Molten Steel to the Finished Blade.

..... Retails at 3 for 72d.

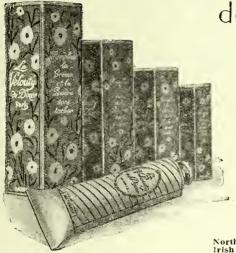
Liberal trade-making samples Bonus offered for Window Displays.

Sample and terms from sole makers :-

DOMINION STEEL CORPORATION, Ltd. Fleet Works, Queen's Road, SHEFFIELD.

the original combined Cream and Powder

VELOUTY



The advertised line that you are asked for.

NOW ON P.A.T.A.

Samples free upon receipt of trade card or billhead.

PRICES:-No. 1. Handbag tube 3/- doz. Retail -/43 No. 2. Small tube - 4/-No. 3. Medium tube 7/-

No. 4. Large tube - 14/- ,, No. 5. Super tube - 22/- , Pots - - 21/- ,, 2/-3/-Pots 2/9

Made in four shades: WHITE, IVORY, NATURAL and OCHRE.

Obtainable from your regular Wholesaler or direct from the Manufacturers:

DIXOR, LTD.

68 Newman Street, Oxford Street, London, W.1.

Sole Distributors for Northern Ireland: ROBERT MAYRS & CO., 43 Chichester Street, BELFAST Irish Free State: MAY. ROBERTS & CO. LTD., Grand Canal Quay, DUBLIN

IS ANYTHING CHEAPER THAN The "MUL-KOH" Rouge Pads?

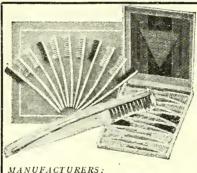
WE ARE OUR OWN MANUFACTURERS Quality, shades and finish, the BEST In DISPLAY BOXES of two dozen; and LOOSE

with or without cellophane envelopes In sizes 7F, 8F, 9F, 10F, and in various shades

Enquiries invited from Wholesalers and Shippers only

THE IMPEX CO., 60/61 Chiswell St., LONDON, E.C.1

- 'Phone: Metropolitan 3050 -



OOTH BRUSH

BONEHANDLES WHITE UNBLEACHED OR BLACK BRISTLES

Names tree on 6 doz. lots.

6/6 per doz. From ail wholesalers

.R. SPEER & SON, 215 Dalston Lane, E.8. EST. 100 YEARS

ANTISEPTIC CREAM
FOR THE SKIN AND COMPLEXION

Invaluable during the Summer months for Soothing and Protecting the Skin, rendering it soft and supple. Useful either as a Day or Night Cream.

1 Oz. 8/6 per doz. pots. 2-oz. 15/- per doz. pots. 4-oz. 25/- per doz. pots.

New and Attractive Show Gard, FREE.
CHEMIST'S OWN NAME AND ADDRESS PRINTED FREE ON 3 DOZEN.

ANUFACTURED BY

C. J. HEWLETT & SON, LTD., 35/42 Charlotte St., London, E.C.2

The very of Economy

The Raleigh 5-cwt. Van has proved by far the cheapest delivery proposition ever offered to Chemists . . . low initial cost; the tax, insurance, petrol and all the usual running costs cut in HALF! Speedy, smooth-running and easy to control, it is one of the safest and most efficient vehicles on the road. Its smart coach-built body has larger space for goods

than any other 5-cwt, vehicle and provides a fine advertisement for your business. The nearest Raleigh agent will prove the efficiency and economy of this amazing motor van by a free demonstration with your own goods and on your own round—you cannot afford to neglect this great opportunity of saving money.



THE NEW

RALEIGH

LIGHT VAN

There is a full range of Van, Box Carrier and open Lorry models from £74 (ex works) to meet your exact requirements. Send for list C.D. 27 and address of nearest Raleigh distributor.

Specification includes 3 forward speeds and REVERSE, car-type rear axle with DIFFERENTIAL, DETACH-ABLE & INTERCHANGEABLE WHEELS. Fully equipped with electric lighting and screen wiper, horn, safety-glass screen, driving mirror, jack and kit of tools.

EASY TERMS ARRANGED.

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QUALIFY IN OPTICS

PRACTICAL WORK. Personal tuition in the practical work is a distinctive feature. Students can avail themselves of the practical classes held during examination times when they are in London.

Expert Tuition for the SIGHT-TESTING DIPLOMAS of the Worshipful Company of Spectocle Makers (F.S.M.C.); the British Optical Association (F.B.O.A.); the Notiona' Association of Opticians (F.N.A.O.); or the College of Optics (F.C.O.).

Write for full particulars-

C.A. SCURR, M.P.S.,F.S.M.C.,F.B.O.A.,F.N.A.O.,B.Sc.,F.I.O.,F.C.O. 50 HIGH STREET, BARNET, LONDON, N.

LONDON COLLEGE OF PHARMACY

(Founded by H. Wootton, B.Sc.) C. W. Gosling, Ph.C. Principal: IRVINE G. RANKIN, B.Sc., Ph.C.

SPECIALISTS IN TRAINING PHARMACISTS.

REVISION COURSES.

PRELIM.SCI.—C.& D.Qualifying. Full roweeks' revision courses will commence on JULY 6.

Special short revision courses will commence on AUGUST 3.

For September Examinations. Next Session will commence on Oct. 5.

Next Session will commence on Oct. 5.
Preparatory Postal Study available at any time
before entering College.

Apply: The Secretary, 361 Clapham Road, S.W.9

THE SOUTH OF ENGLAND COLLEGE OF PHARMACY

186 Clapham Road, LONDON, S.W.9
Principal—H. LUCAS, Ph.C., F.C.S.
assisted by a fully qualified and efficient staff,

REVISION COURSES for Parts I and II start on August 5 for the October Examinations. Fee 6 guineas.

NEW COURSES for both parts start on October 6.

Part I, 6 months, fee 20 guineas; Part II, 9 months, fee 30 guineas.

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will Challenge the Trade

if you know the Secret—Your work will always be the best and always to time if it is done by

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Announce a Bigger-Business

COMPETITION

£175

CASH PRIZES

and
250
DOG
COLLARS

with Chromium-Plated Fittings Including

MONEY PRIZES for RETAILERS

Again we offer all Sherley Stockists an opportunity for Bigger Business! Practically immediately the first announcement of our fascinating Dog Competition "Head the Dogs" will appear. Cash prizes of £100, £50, and £25, and 250 Dog Collars with chromium-plated fittings are being offered to all who use Sherley products. In addition to this we are presenting Cash Prizes to the Retailers who supply the Winners of the Competition Cash Prizes.

The Entry Fee for our:

RETAILERS'
PRIZES

Ist £10

2nd **£**5

3rd £2 10

'Head'the Dogs

Competition is the outside wrapping from ANY ONE of Sherley's Dog Foods, Medicines and Specialities—in the case of "Lactol," which is packed in tins, a receipted bill from a retailer will be

accepted, so there is absolutely no limit to the amount of extra business. Thus the ever increasing sales of Sherley's Products will experience yet

over we give free 6 of our DOG BOOKS (RETAIL VALUE 2d.) and an ATTRACTIVE COUNTER DISPLAY STAND. This on an order of fr amounts to a discount of 5%.

BONUS OFFER

On every order of £1 or

another leap forward. Besides SELLING more Sherley's YOU may win a Cash Award of £10.

A Poster, which is a reproduction of one of the Competition Advertisements, is being sent to all Chemists. A few Entry Forms for distribution to Customers are also enclosed with the same, and further supplies can be had on application. If you have not already received details, please let us know—postage will be refunded.

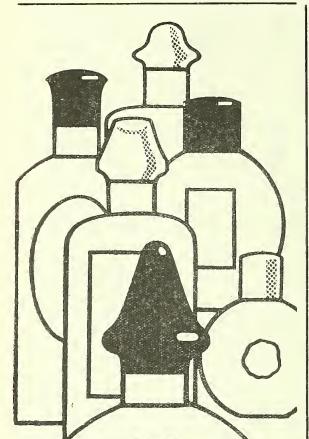
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Special colours and shades to order.

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12/- to 15/- per gallon according to quantity.

May we give you the pleasure of testing it?

Write for sample C.S. to:—

DOPE DEPARTMENT. British Celanese Limited, Celanese House, Hanover Square, London, W.1.



GIVE YOUR CUSTOMERS ETTER VALUE

FRIAL

The trial parcel consists of 1 dozen rolls, completely wrapped and dustproof, 1 dozen packets, 1 cut-out and 100 'Personal Hygiene' leaflets.

Cash, value 16/6d, should accompany your order.

"Sol-Vo" is a little more than the "so-called" cheaper brands, and the roll looks smaller, it contains nearly three times the quantity of Toilet Paper. Your customers want better value

Although the selling price of

and here they have it, for "Sol-Vo" is of superfine quality. Once your customers have used it they will never change. In order to give the chemist an opportunity of offering "Sol-Vo" to his customers, without the necessity of laying in a largestock, we are inviting him to take a trial parcel for cash. Fill in the voucher below and post it together with remittance to:-

Ford, Shapland & Co. Ltd., Great Turnstile, High Holborn, London, W.C.1



SOL-VO TOILET PAPER

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To Messrs. Ford, Shapland & Co. Ltd. Great Turnstile, High Holborn, London, W.C.1
Date Dear Sirs, Please send me/us your trial parcel of SOL-VO Toilet Paper and Display Material Carriage Paid. I am enclosing herewith remittance, value 16/6.
Name
Address
Only one parcel can be sent to the same address.

200,000 RECRUITS TO THE FLIT ARMY since last June!

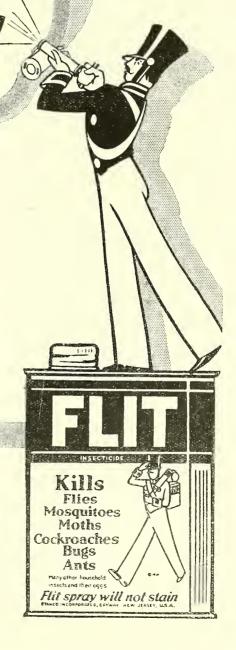
200,000 additional buyers acknowledging Flit as the most effective insecticide. 200,000 more homes equipped with Flit sprayers—needing further supplies of Flit for this approaching season.

National Advertising will urge these thousands to use more and more Flit in 1932. It will bring many thousands more into the ranks of the Flit Army.

For your part, have stocks in readiness. Have Flit displayed in your windows to bring in a goodly share of this bigger business.



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to duly qualified Chemists for use by them in dispensing, in accordance with the prescription of a registered medical practitioner, either as a component part of a medicine or for sale entire, as allowed by the concession of the Commissioners of Customs and Excise.

The Medical Profession is being advised of this decision.

Prices:

To the RETAIL TRADE - - 50/6 per dozen

To MEDICAL PRACTITIONERS

5/6 per package

We would appreciate it very much if Dispensing Chemists would ensure that they hold suitable stock to meet prescriptions.

Sole Distributors: THOS. CHRISTY & CO.

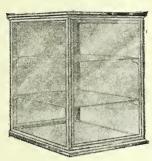
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KING'S METAL FRAME SHOWCASES

By most carefully studying manufacturing costs, we are now enabled to offer this wonderful range of BRITISH MADE Metal Frame Showcases at a price previously undreamt of. These handsome showcases have drawn brass frames bronzed finish (not tin or an inferior light white metal) with heavy moulded capping and base. The door at back is hung on strong brass butts, ensuring perfect fit, and has a turn buckle and catch. Previously metal frame showcases have always meant a very heavy capital outlay, but every shopkeeper can now have one of these most attractive sales-making showcases at comparatively small cost,



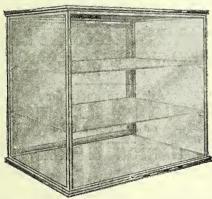
Ref. No. H. 2675. Brass frame bronzed finish showcase, first quality glass front, sides and top, with hinged glass door at back. Interior fitted with 2 plate glass shelves, ½" thick, polished edges. Bottom fitted with white opal glass lining. Dimensions: 18" high × 12" wide × 12" back to front.

PRICE 37/6 EACH



Ref. No. H. 2676. Brass frame bronzed finish showcase, first quality glass front, sides and top, with hinged glass door at back. Interior fitted with 2 plate glass shelves, ½" thick, polished edges. Bottom fitted with white opal glass lining. Dimensions: 24" high×12" back to front.

PRICE 42/0 EACH



Ref. No. H. 2677. Brass frame bronzed finish showcase, first quality glass front, sides and top, with hinged glass door at back. Interior fitted with 2 plate glass shelves, ½" thick, polished edges. Bottom fitted with white opal glass lining. Dimensions: 30" high×24" wide×18" back to front.

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For Hæmorrhoids

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A scientific remedy for Indigestion IN TUBES

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JUBOLITAN

Ointment for the treatment of Internal Hæmorrhoids

(BRAND)

For Throat Trouble, Hoarseness, Catarrh, etc.

SPECIAL NOTE—No change has been made in the retail or wholesale prices of these remedies in spite of the difference in the exchange.

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All goods bearing our name or stamp will be exchanged by us if returned unsoiled at any period.

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200 Varieties Any Colour.

A suitable Composition Stopper will enhance the selling value of your package. Let us fit your Bottles and quote you.

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A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessaries from him. Moreover, the continuous demand for it produces a quick turnover.

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LIMITED

RHUBARB

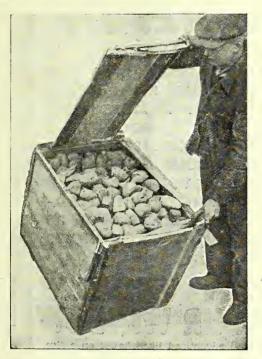
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'ASPRO' consists of the purest Acetyl Salicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Agents : GOLLIN & Co. Pty. Ltd. ('Aspro' Dept.), SLOUGH, Bucks.

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Dear Sirs.				

Please send me postfree one of your new window displays.

My Name is My address is (Street)

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Now being advertised to the medical profession

ALKALINE COMPOUND EFFERVESCENT

By Sodii Bicarbonatis, Calcii Lactophosphatis, Potassii Bicarbonatis, Magnesii Sulphatis Anhyd., Sodii Chloridi, Salis Effervescentis. gr. 5 [0·324 gm.] gr. 3 [0·194 gm.] gr. 1 [0·065 gm.] gr. 1 [0·065 gm.] gr. 1 [0·065 gm.]

9.5.

Each product, on solution, produces 29.4 grains of soluble citrates, which, when oxidised in the system, produce approximately 15 grains of bicarbonate. Each product, therefore, represents about 21 grains of bicarbonate.

Prescribed to assist remineralisation and to restore the alkaline balance of the body.

One to two products, dissolved in half a tumblerful of water, yield a pleasant effervescent, antacid draught.

Superior in keeping qualities to granular effervescent products which expose a relatively large area to the air.

Tubes of 25: Prices in London to the Trade, 21/6 per doz. (subject)



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THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy, the Drug, Chemical and Allied Trades

The official organ of The Pharmaceutical Society of Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions

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News of the Week

Dangerous Drugs Acts, 1920-25

WITHDRAWAL OF AUTHORITY: MICHAEL JAMES MCNIFF

The Home Secretary gives notice that he has with-The Home Secretary gives notice that he has withdrawn from Michael James McNiff, M.B., B.Ch., B.A.O., R.U.I., of 188 Mantilla Road, Tooting, London, S.W., the authority granted by the Regulations made under the Dangerous Drugs Act, 1920, to duly qualified medical practitioners to be in possession of and to supply raw opium, coca leaves and Indian hemp, and the drugs and preparations to which Part III of the Act applies, and has also directed that it shall not be lawful for the said Michael James McNiff to give prescriptions for the pure Michael James McNiff to give prescriptions for the purposes of the Dangerous Drugs (Consolidation) Regulations, 1928. . . . Whitehall, June 6, 1932.

Visit to Works

By the courtesy of the directors of the company the members of the Sunderland and District Branch of the Pharmaceutical Society witnessed the process of making magnesia at the works of the Washington Chemical Co., Magnesia at the works of the Washington Chemical Co., Ltd., Washington Station, co. Durham, lately. This local company have made magnesia since 1840 under the well-known Pattinsons brand. In their tour the members visited the laboratories and watched the experts testing. The visitors were shown step by step through the process, commencing from the dolomite extracted by the company from their extracted. by the company from their extensive quarries at Hylton to the finished product. Of special interest was the plant for making cream of magnesia, of which the equivalent of 9,000,000 8-oz. bottles is supplied every year to the U.S.A. In this country the equivalent of 2,000,000 8-0z. Bottles was sent out from the works last year. An interesting tour was brought to an end with tea served in the staff canteen, and each member brought away a liberal sample of the cream of magnesia.

The Cardiff city coroner inquired recently into the circumstances of the death of Mr. W. R. Williams, chemist and druggist, Woodville Road, Cardiff. After receiving the medical evidence, which showed that death was due to hydrocyanic poisoning, and the statements made by the widow, the coroner returned a verdict of 'Suicide whilst of unsound mind.'

An inquest was held at Windsor, recently, on the body of Mrs. Ethel B Brett, Slough. Evidence showed that death was due to strychnine poisoning; and Mr. O. J. Hedley, chemist and druggist, manager of a local branch of Boots, Ltd., deposed that the deceased purchased a bottle of tablets containing strychnine and signed the register. A verdict of "Suicide while of unsound register. A verdict mind " was recorded.

An inquest was held at Bristol, recently, on the body of Mrs. E. Chilcott, who, the evidence showed, died from an overdose of aspirin. A medical witness said: "Aspirin was originally introduced as a relief for rheumatism. Of recent years it is taken indiscriminately, and I think it is a matter of grave importance that people nowadays can obtain tablets from automatic machines without any difficulty."

The West London coroner held an inquiry, on June 2. oncerning the death of Miss Eva Brealey, a typist, who took poison while at a party in Chiswick and subsequently died in hospital. Mr. M. Celnik, chemist and druggist, who was engaged to Miss Brealey, gave evidence as to the event. Mr. Celnik said that when the girl collapsed she said she had taken morphine, and added that she had forced the lock of his prices. and added that she had forced the lock of his poison cupboard in his shop in North Finchley, where she had called on Friday. There was 60 gr. of morphine in the cupboard, but Miss Brealey left only 26½ gr. The Coroner: What about your poison-cupboard?—It answered all the Regulations. There was a key in my pocket. The door had been bent with some instrument, and the lock forced, in my absence. After medical and other evidence had been given, an open verdict was returned.

Birmingham

The city analyst's laboratories have been removed from Broad Street to ${\tt 152}$ Great Charles Street.

Farmers in the Nuneaton district of Warwickshire report the loss of cattle and attribute it to the eating of ragwort and buttercups, which are stated to have secreted poison through lack of sunshine.

Miscellaneous

Poison-licence application.—Oliver & Snowdon, Ltd., agricultural merchants, Carlisle, have applied to the local authority for a licence to sell agricultural and horticultural poisons.

ALIENS RESTRICTION (AMENDMENT) ACT.—Permission has been granted to Paul Peter Mulhens, Slough, Bucks, to use the title Eau de Cologne & Parfumerie Fabrik Glockengasse No. 4711.

IN THE COURTS.—At Somerset Assizes, on June 7, William Faulkner, alias Norman Nelson Kirkup, who, the evidence showed, had pretended to be a medical practitioner in Bristol, was sentenced to five years' penal servitude for various offences.

ROYALTY AT DARTFORD.—Prince George paid a visit to the Wellcome Chemical Works, Dartford, on June 3, and made a tour of the buildings. His Royal Highness was greatly interested in the various manufacturing and packing processes, and also in the scheme of works safety organisation.



THE WINDOWS OF G. E. BRIDGE & CO., LTD., OLD CHRISTCHURCH ROAD, BOURNEMOUTH, SHOWING (LEFT) ORGANOTHERAPEUTIC PREPARATIONS AND (RIGHT) CRUDE DRUGS, LENT BY THE BRITISH DRUG HOUSES, LTD.

Scottish Notes

Brevities

Another series of outbreaks of grass sickness in horses is reported from the North of Scotland.

Evans Sons Lescher & Webb, Ltd., Liverpool, have appointed Mr. T. E. Whelan their representative for North-Eastern Scotland.

The second Scottish Ideal Home Exhibition, organised by "The Daily Mail," will be held at Kelvin Hall, Glasgow, from October 5 to October 29. Full details of space still available are obtainable on application to the Manager, Scottish Ideal Home Exhibition, "The Daily Mail," Carmelite House, London, E.C.4, or at 43 Hope Street, Glasgow.

Mr. J. W. Blakelock, manager to H. C. Baildon & Son, chemists, Edinburgh, has just celebrated his jubilee of service. Mr. Blakelock joined the firm on May 1, 1882, and has served continuously in the Princes Street premises, under the late Mr. Baildon, the late Mr. Aitken, and the present head, Mr. Arthur C. Aitken. During the past fifteen years he has managed the Princes Street business, and supervised the aerated water factory. Mr. Blakelock has been the recipient of many congratulations and expressions of goodwill. Mr. Aitken presented him on behalf of the firm with a gold watch and on behalf of the staff with a coffee service. Many of the wholesale houses recognised the event, and subscribed to a wallet of notes and a writing case, both of which were also presented by Mr. Aitken.

Irish Notes

Brevities

Mr. John J. Collins, Ph.C., has opened a medical hall at 15 Duke Street, Athy, co. Kildare.

Messages of condolence from the president of the Pharmaceutical Society of Ireland and many pharmacists in the Free State have been received by Mr. Vincent Keiran, solicitor to the Society, on the death of his father.

Mr. Andrew Maher, Ph.C., Drogheda, was fined £10 on June 4 for having sold methylated spirits to a man whose name and address were not vouched for. The justice said that if the defendant applied to the Minister for a reduction of the fine he would recommend a substantial reduction.

At Trim District Court, recently, Mrs. Ruth Power was awarded a decree for £4 in a claim for £10 damages against Mr. J. F. O'Hara, Ph.C. The case arose out of the sale of a feeding-bottle which the plaintiff purchased from Mr. O'Hara. She wished to return it, but Mr. O'Hara refused to take it back and ejected her from the shop. Mr. O'Hara denied this, and said the plaintiff was abusive.

A complaint was made to the Omagh Guardians at a recent meeting that the medical officers obtained medicines and appliances from persons other than the contractors. A local doctor wrote that some anti-diphtheritic serum was obtained from an Omagh chemist as it was urgently needed. He had the medicine in two hours, and if he had waited for the contractors' supply in this matter of life or death it would have taken two days.

Belfast

The annual report of the Belfast Corporation Gas Department deals with the chemical residuals section, and states the balance from the chemical department amounted to £49,811, against £59,839 in the previous year.

In the Belfast Summons Court, recently, William Adair was prosecuted for practising and holding himself out as a dentist, he not being registered. Mr Leitch, for the defendant, said he was a fully qualified dental surgeon who had overlooked renewing his fee A fine of 20s., with 20s. costs, was imposed.

A list of century-old firms in Northern Ireland, published in Belfast last week in connection with a newspaper supplement, includes the names of a number of drug houses. One of the oldest of these is S. Connor & Sons, Newry, whose firm was founded in 1826; and it is interesting to note that the present head of the firm, Mr. J. E. Connor, J.P., is president of the Pharmaceutical Society of Northern Freland this year. Another firm mentioned is Grattan & Co., Ltd., founded in 1825 and still carrying on at Corn Market, Belfast. Mention is also made of Walkington & Sons, Ltd., established in 1794, and originally in the drug business. Another house is Charnock Bros. & Co., Ltd., now owned by Mr. W. J. Gibson and Mr. Samuel Gibson, J.P., the latter of whom is a member of the Council of the Pharmaceutical Society of Northern Ireland.

Sporting Events

GLORIOUS weather favoured the fifth annual golf competition between chemists of Northern Ireland and the Irish Free State, at Holywood, on June 1, for the cup presented by The British Drug Houses, Ltd. The event ended in a win for the Irish Free State, details of the play being as follows:—

. Northern Ireland		Irish Free Sta	
F. A. McMullan (capt) 1	J. Gorry	0
A. Hardy	. 🕡	R. Bates	1
J. M. Poots		J. Smith	1
S. R. Anderson	. 1/2	T. Roche	½ 0
G. W. T. McCann	. 1/2	R. Ryan	2
W. Orr	. 1	E. MacManus	
Dr. H. D. Heazley	. 0	J. M'Donnell	1
	. 1/2	J. J. Roche	½
J. Macauley	. 0	J. Fitzpatrick	
G. H. Simms	. 0	Dr. M. Ryan	1
J. Beatty	. 1	P. Larkin	0
Total	. 4½	Total	61

After the match Mr. J. E. Connor, J.P. (president of the Pharmaceutical Society of Northern Ireland), presented the cup to the winners. A cordial vote of thanks to the Council of Holywood Golf Club was proposed by Mr. F. D. McMullan and seconded by Mr. A. W. Mann. Votes of thanks to Mr. D. L. Kirkpatrick and to the secretaries (Mr. R. Bates and Mr. W. J. Rankin) for carrying out the arrangements for the day, and to Mr. Connor for acting as chairman, were passed unanimously.

The third meeting of the season of the Manchester and District Chemists' Golfing Society took place at Reddish Vale Golf Club on May 25. The competition was for the Kerfoot trophy, and the three best scores were 82, 83 and 84. After tea the president (Mr. J. H.

Franklin) congratulated the winners, and said that they were pleased to see Mr. Martin (representing Thomas Kerfoot & Co., Ltd.) with them. Members appreciated the interest the company took in their Society, and also the handsome trophy and memento which they presented for annual competition. These would be presented to the winners at the social function on September 21. The president proposed a hearty vote of thanks to Messrs. Kerfoot, and this was seconded by the captain (Mr. S. M. Bostock). Mr. Martin replied. The following were the leading scores:—

W.	J. Gardner	95 - 13 = 82	H. Woodhead	103-16=87
S.	Fletcher	. 97-14=83	F. Gee	105 - 18 = 87
J.	W. Aves	. 86 - 2=84	J. H. Franklin	109 - 22 = 87

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc. occur.

Tuesday, June 14

Glasgow Pharmacy Club (Bowling Section). Play for Cartwright trophy. Secretary, Mr. A. W. Calder, 256 Crow Road, Broomhill, W.1.

Wednesday, June 15

Birmingham Pharmaceutical Association, at 17 Trinity Road, Birchfields, at 3 p.m. Garden party, by invitation of Mr. and Mrs. J. W. Atkinson, in aid of the Pharmaceutical Society's Benevolent Fund. Tickets, 2s. 6d. each, should be applied for by June 11.

Friday, June 17

Edinburgh Chemists', Assistants' and Apprentices' Association at 36 York Place, at 8 p.m. Practical botanical demonstration by Mr. J. Rutherford Hill.

Topical Reflections

By Xrayser

Shop Fronts

are becoming vastly different nowadays from what they used to be, and it is as well that chemists and druggists should move with the times and take care to have their chief means of attracting customers properly up to date. In your article on the art of shop-fitting (C. & D., June 4, p. 610) you show both what can be done in the direction of modernising an old pharmacy and how something strikingly original can be evolved in the planning of a new one. Fittings corresponding with the modernised facia have a special appeal to me, a case-hardened advocate of the necessity of maintaining the dignity of pharmacy in all our doings, so I venture to suggest that they must equally appeal to the spending public and tend to increase business turnover. I have in mind the case of an old-established pharmacist in a country town where he had no pharmaceutical opposition, but steadily refrained from any attempt at modernising his shop lest opposition might be attracted and the business show a falling off. He sold the business to an enterprising young pharmacist who had no such fears and turned the old place inside out, with a new front to attract customers, electric light to brighten the interior, and other changes to match. The result has been a huge success without any intrusion of the formerly feared competition.

Change Upon Change

is manifested in the latest reported proceedings of the Pharmaceutical Society and the Retail Pharmacists' Union. In the case of the Society (p. 624) we have a new president, vice-president and treasurer, while the Union has decided upon a change of title which will take a little getting used to. The Council

of the Society has also distinguished itself by the promptitude with which it has not only adopted the suggestion of instituting vacation courses for pharmacists, but also agreed to a scheme prepared by its Education Committee for an experimental course to be held a few weeks hence. Your report of the R.P.U. makes interesting reading, particularly where Mr. Mallinson's statement about the Pharmacy and Poisons Bill receives attention. That statement was clear and to the point, and it is not surprising that it carried conviction to the minds of those who heard it. Apparently the attempt to discourage the holding of honorary office by the same individuals on the executives of both the Union and the Pharmaceutical Society proved premature.

Competition

sharpens the wits of some who have to meet it, and your correspondent who asked how he should proceed to meet it in his own particular case ought to be grateful to those who have hastened to advise him in your columns (p. 633), as well as to the C. & D. for broadcasting his tale of woe. I like the forthright manner in which "Midland Optimist" goes straight to the point and presents his troubled fellow craftsman with a complete practical statement of what to avoid and what to do. His advice seems to me to be inherently good, the more particularly as it is based upon the importance of the personality of the proprietor of the business in distress, and ends upon the note of refusing to buy stock from those who supply small shops of the unqualified variety. Excellent advice also characterises the letter of "Northerner," and I think your correspondent who sought for advice should regard himself as fortunate.

Legal Reports

Application Postponed.—In the Chancery Division of the High Court, London, on June 2 and June 7, before Mr. Justice Clauson, counsel mentioned the case of Irving's Yeast-Vite, Ltd., v. Partons, Ltd., in which the plaintiffs were moving to restrain the alleged infringement of a registered trade mark. An affidavit had been filed by the defendants to the effect that they required another week in order to make a certain analysis. His lordship allowed the motion to stand over.

Illegal Sale of Poison.—At Cambridge, on June 4, W. J. Unwin, Ltd., Histon, were summoned for failing to enter in a book the name and address of a purchaser of poison, and for selling a poisonous preparation to a person unknown and to whom they had not been introduced. Mr. C. J. Smart prosecuted on behalf of the Pharmaceutical Society. Mr. M. C. Henderson, for the defendants, pleaded "Guilty." Marjorie Marable, an inspector of the Society, said she wrote to the defendants for a tin of some preparation she saw advertised, and sent the money. Mr. C. E. Corfield, B.Sc., said that the substance contained 20.7 per cent. of arsenic. The tin contained 623 gr. A fine of £1 on each charge, with £3 costs, was imposed.

Analysts Differ.—At Saltash, on May 31, Breeze's (Plymouth), Ltd., manufacturing chemists, Union Street, Plymouth, were summoned for having sold an article which was falsely described on the label. The defendants pleaded "Not guilty." Mr. C. Knight, assistant solicitor to the Cornwall County Council, who prosecuted, said that an inspector under the Food and Drugs (Adulteration). Act went into the shop of a Saltash grocer when packets of Breeze's egg baking powder were being delivered. An invoice for the packets was given to the grocer, and on the bottom of it was written, "We guarantee the above to conform with the Food and Drugs Act and Ministry of Health Regulations." The public analyst for Cornwall, Dr. H. E. Cox, F.I.C., reported: "It is a coloured baking powder, and a satisfactory composition, but it does not contain any egg, and as egg baking powder is not correctly described." Evidence of purchase was given, and Dr. Cox explained an experiment he made which showed that there was no appreciable quantity of egg in the sample of egg baking powder. Addressing the magistrates for the defence, Mr. Wolferstan said that Mr. T. Tickle, B.Sc., F.I.C., Ph.C., had examined a sample of the powder and found it to contain a portion of egg. Another sample had been sent to a Government chemist, whose report substantiated that of Mr. Tickle. It would be very strange if everybody was wrong except Dr. Cox. Evidence was given by Mr. Tickle, who said that after analysing a sample of the egg baking powder he was of opinion that it contained dried egg yolk in a proportion of not less than 0.75 per cent. Mr. F. H. Ralph, chemist and druggist, manager of the defendant company, said the powder in question had been manufactured by the firm for about forty years, and the recipe contained a definite quantity of dried yolk of egg. The magistrates found the charge proved, and imposed a fine of £5, with £5 5s. costs.

Gazette Partnership Dissolved

ALEXANDER, C. T., Red Bank, Manchester, and WARD, H. H., Aynsome, Grange-over-Sands, Lancaster, under the style of The Chemical Products Co.

Bankruptcy Acts

RECEIVING ORDER AND ADJUDICATION

Garbutt, G., 848B Scotswood Road, Newcastle-upon-Tyne, '' druggist.''

New Companies and Company News

P.C. means Private Company and R.O. Registered Office.

WRIGHT, LAYMAN & UMNEY (1932), LTD.—Registered as a Public Company. Capital £340,000, comprised of 280,000 7 per cent. cumulative preference shares of £1 each, and 60,000 ordinary shares of £1 each. A prospectus has been issued inviting applications for the issue of 280,000 7 per cent. cumulative preference shares of £1 each at par. The list will be opened on June 14 and closed on or before June 16, 1932. Directors: Herbert Cassin Wright, pharmaceutical chemist, Bamville, Harpenden Common, Herts (chairman); Ernest Albert Umney, pharmaceutical chemist, Welbeck House, Downs Side, Cheam, Surrey (vice-chairman); Ernest Blakesley Layman, wholesale druggist, "Blakesley," Flag Head Road, Canford Cliffs, Dorset; James Knight, secretary, 118 Foxley Lane, Purley, Surrey; James Hamerton, pharmaceutical chemist, 21 Courtside, Sydenham, S.E.26; Reginald Edward Conder, pharmaceutical chemist, F.C.I.S., B.Com.(Lond.), 33 Hogarth Road, S.W.5. (All the above are directors of Wright, Layman & Umney, Ltd.). Secretary and Registered Office: James Knight, 46 Southwark Street, London, S.E.I. The following are extracts from the prospectus:—The company has been formed for the purpose of taking over as a going concern and further developing the business of Wright, Layman & Umney, Ltd., of Southwark, wholesale and export druggists, manufacturers of pharmaceutical and chemical preparations, distillers of essential oils, analytical chemists, manufacturers and proprietors of Wright's coal tar soap and other coal tar specialities. The vendor company was incorporated in the year 1909 for the purpose of acquiring the undertaking and business of a former company of similar name, and has carried on the business since that date. Wright's coal tar soap, which was first introduced in or about 1860, is to-day recognised by the medical profession as the leading antiseptic toilet soap, and the world-wide sale which this product enjoys is a clear indication of its outstanding merits. The company will enjoy the same management as that which has successfully conducted the vendor company for many years. The pre-liminary expenses of and incidental to the formation of the company down to and including the general allot-ment of the shares now offered will be paid by the vendor company or its liquidator, and the estimated amount thereof is £11,000. No other amounts are in the opinion of the directors required to be provided in respect of the matters specified in the Fourth Schedule, Part I Paragraph 5 (I) of the Companies Act, 1929, otherwise than out of the proceeds of this issue. No part of this issue is or will be underwritten for commission, but the directors, in proportion to their respective aggregate holdings of preference and ordinary shares in the vendor company, have agreed to subscribe at par for such number of preference shares as shall not be subscribed for by the public. Applications for preference shares should be made on the form accompanying the prospectus and should be sent to Midland Bank, Ltd., Poultry, London, E.C.2, or any of its branches together with a remittance for the amount payable on application.

YEAST-VITE, LTD.—The fourth year's working has resulted in a profit of £56,246, after charging income tax, as compared with £57,639 for the previous year. The balance forward is £21,854.

PRITCHARD & CONSTANCE (MANUFACTURING), LTD.—Profit for 1931 was £20,186, less directors' fees, £750, and taxation, £4,853. It is proposed to pay a final dividend on the deferred ordinary of 14 per cent., making a total of 20 per cent., less tax; carried forward, £2,543. Miss A. M. Wells, M.P.S., the company's manageress, has been appointed a director.

Taylor's (Cash Chemists) Trust, Ltd.—Net profit to March 31, 1932, amounted to £38,039, compared with £40,535 for the previous year. £10,000 transferred from reserve, and £4,751 brought forward. Dividend on preferred ordinary shares absorbs £49,362, leaving £3,428 carried forward. Meeting at Hotel Victoria, London, W.C., on June 17, at 12,30 p.m.

A. J. White, Ltd.—Report for year ended March 31 shows a net profit of £43,221 16s. id.; brought forward, £81,971 is. Interim dividend of £15,000 paid January 1932, leaving a balance of £110,192 17s. id., out of which it is proposed to pay a final dividend of 7½ per cent., making 12½ per cent. for the year, with the balance of £87,692 17s. id. carried forward. Mr. C. L. Fawell retires by rotation and offers himself for re-election. Meeting in the hall of the Institute of Chartered Accountants, I Moorgate Place, London, E.C., on Thursday, June 16, at 12 noon.

Veno Drug Co. (1925), Ltd.—Net profit to March 31 was £111,309, an increase of £93,986 on the previous year. Appropriations: Directors' fees and compensation, £2,716; income tax, £1,571; dividends on 8 per cent. cumulative preference shares for tourteen months, £20,700; dividend on 12 per cent. cumulative preferred ordinary shares for fourteen months, £28,462; to special reserve, £20,000; to tax reserve, £20,000; dividend on deferred ordinary shares, at 40 per cent. per annum, £15,000; carried forward, £2,858. With a view to closer co-operation with Beechams Pills, Ltd., the controlling company, Messrs. Geo. du Cros, Herbert Guedalla and J. Douglas Watson have resigned from the Board, and Sir Arthur H. Marshall, K.B.E., and Mr. Austin Scott, directors of Beechams Pills, Ltd., elected. It is proposed to delete "1925" from the company's title.

BEECHAMS PILLS, LTD.—The net profit to March 31, including dividends from subsidiaries and from other investments and transfer fees, amounted to £241,608, an increase of £78,206 on the previous year. Deducted for income tax, £59,207, leaving £224,067 available. Dividends paid or accrued to March 31, 1932, on the cumulative participating preferred shares absorbed £114,622, and the deferred shares interim dividend £9,375. leaving a balance of £100,070. It is proposed to pay the participating dividend on the participating preferred shares at the rate of 2 per cent., making 10 per cent. per annum, less tax, and a final dividend on the deferred shares of 10 per cent., making 15 per cent. per annum, less tax. Carried forward, £53,019, as against £41,577 brought in. Mr. Louis Nicholas and Mr. J. Stanley Holmes, two directors, have been appointed joint managing directors. Meeting at the Hotel Metropole, London, W.C., on June 16.

Voluntary Liquidation

Russell & Co. (Chemists), Ltd., I, Station Buildings, West Croydon, Surrey.—The statutory meeting of creditors was held recently at the offices of the Association of Manufacturing Chemists, Kimberley House, Holborn Viaduct, London, E.C. The statement of affairs showed ranking liabilities of £988. The assets comprised stock, £329, estimated to realise £250; fixtures, fittings, etc., £509, valued at £100; neon sign, £62, expected to produce £10; cycle, £1 10s.; and book debts, £2 5s.; making a total of £363 15s. After allowing £3 for preferential claims, the net assets were £360 15s., or a deficiency as regarded the creditors of £627 9s. 6d. The Issued capital of the company was £970, all fully paid, and the deficiency as regarded the shareholders was £1,597. That deficiency was due to the writing down of the assets by £619 and a loss on trading of £978. The company was registered on March 28, 1931, with a nominal capital of £1,000, of which £970 was issued for cash. The shareholders of the company had already passed a resolution for voluntary liquidation, and the creditors decided to confirm the voluntary liquidation of the company, with Mr. Parkin S. Booth as liquidator, and also nominated a committee consisting of representatives of creditors.

Stock Exchange Prices

Stock Exchange			
£1 Shares unless otherwise stated		Apr. 29, 1932	May 31, 1932
Allen & Hanburys, 7% Prefd. Ord. Amalg. Dental Co., 8% Prefd. Ord. , "Deferred 5s. Apollinaris and Johannis, Ord. £1 Ayrton, Saunders & Co., 7½% Pref. Beechams Pills, Deferred 1s. shares Benger's Food, Ord. Books (A.), Roberts & Co., 5% Pref. Boots Pure Drug Ord. Boots Cash Chemists (S.), 6% "A"Pref. Boots Pref. "Defd. British Cyanides, Ord. 2s. shares British Drug Houses, The, Ord. British Oxygen, Ord. British Oxygen, Ord. British Photo. Indus., 6% Cum. Pref. Bush, (W. J.) & Co., 5% Prefs. 5. Callard, Stowart & Watt, Ord. Crosfield (Joseph) & Sons, 6½% Pref. Drug Incorporated (no par value). Dubarry Perfumery, Ord. 1s. "2½% Pref. Eastman Kodak Com. (no nom. value) Evans Sons Lescher & Webb, Ord.	s. d. 20 6 16 9 2 6 2 0 11 10 1 28 6 1 10 1 28 6 15 0 116 3 23 9 7 6 21 3 21 3 33 6 0 10 1 15 0 26 0 17 0 28 6 21 3 21 3 21 3 21 3 21 3 30 0 10 2 10 3 10 3	\$\frac{d}{22}\$ \frac{3}{3}\$ \frac{1}{17}\$ \frac{3}{3}\$ \frac{2}{6}\$ \tag{12}\$ \tag{0}\$ \tag{12}\$ \tag{0}\$ \tag{14}\$ \tag{12}\$ \tag{0}\$ \tag{24}\$ \tag{22}\$ \tag{25}\$ \tag{6}\$ \tag{15}\$ \tag{15}\$ \tag{16}\$ \tag{25}\$ \tag{60}\$ \tag{0}\$ \tag{25}\$ \tag{60}\$ \tag{25}\$ \tag{25}\$ \tag{60}\$ \tag{25}\$ \ta	s, d, 222 0 16 3 0 2 0 0 12 0 0 12 0 0 12 3 0 0 12 3 0 0 12 3 0 0 12 3 0 0 12 3 0 0 12 3 0 0 0 12 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
6s. 8d. shares ", 6% cum. part. Pref. Field (J. C. & J.), Ord. Galloway (P. H.), Ord. 2s. ", 7½ Cum. Pref. Gossage (William), 6½ Pref. Grout & Co., Ord. Hodders, Ord. 1s. Idris & Co., "A" Ord. Ilford, Ltd., Ord. ", 6% Pref. Imperial Chemical, 7% Pref. ", Defd. 10s. Intern. Sponge Importers, 6% Pref. Kent (G. B.) & Sons, 5½ Pref. Knight (John), 25% Prefd. Ord. Laporte (B.) & Co., Ltd., Ord. Lever Bros., Ltd., 7% Pref. ", 20% Pref. ", 20% Pref. Liebig's Ext. of Meat, Ord. £5 Mellin's Food, 6% Pref. Nathan (Joseph) & Co., 7% Pref. Nathan (Joseph) & Co., 7% Pref.	2 3 3 6 12 6 6 19 0 0 2 19 6 0 0 18 9 19 6 6 3 6 60 0 18 0 9 20 9 6 41 3 22 6 6 1 £8 9 13 9 5 6 6	1 9 2 6 6 15 6 6 2 20 0 3 18 0 0 3 17 6 0 21 0 0 21 0 0 72 6 18 9 23 4 45 6 21 3 3 45 6 21 3 3 3	1 9 16 3 2 0 0 2 3 0 14 3 18 9 21 3 20 0 14 3 5 6 67 6 20 0 24 0 24 0 24 0 25 0 26 0 27 3 45 0 27 4 27 4 27 4 27 4 27 4 27 4 27 4 27 4 27 4 27 5 27 5 27 7 27 7
National Drug and Chemical Co. of Canada, 6½% Pref. New Transvaal Chemical Co.,6% Pref. 8% Pref.	$\begin{bmatrix} 1 & 6 \\ 20 & 6 \\ 23 & 0 \end{bmatrix}$	1 3 20 9 24 0	0 9 21 3 23 9
Phosferine (Ashton & Parsons) 8% cum. partic. Ord	7 6 26 3 26 3 7 3 21 3 20 6 20 0 20 0 6 0 0 1½	7 0 26 3 30 0 8 6 25 0 21 3 23 0 19 3 6 6	6 6 23 9 30 0 8 6 23 9 20 6 24 6 18 3 6 6
Southall Bros. & Barclay, Ord	107 6 20 6 46 3 17 0 0 7	117 6 20 0 53 0 16 3 0 4½	116 3 20 0 51 3 16 0 0 4½
Cum, Pref. Ord.	$\begin{array}{ccc} 9 & 9 \\ 0 & 7\frac{1}{2} \end{array}$	$\begin{array}{ccc} 9 & 0 \\ 0 & 7\frac{1}{2} \end{array}$	$\begin{array}{ccc} 8 & 6 \\ 0 & 7\frac{1}{2} \end{array}$
United Glass Bottle Man., 6% Mt. Deb. Stk £100	£100 12 6 30 6 20 3 11 3 16 9 1 3	£103½ 13 9 25 0 22 6 12 9 18 0 1 1½	£105 13 9 25 0 21 3 12 6 17 3 1 1½

British Pharmacopoeia, 1932

WE have received the following letter, dated June 4, from the registrar of the General Medical Council:—

SIR,—The new issue of the British Pharmacopæia (1932) will be published on September 30, 1932. I am instructed, on behalf of the Council, to say that the Council wholly reserve their copyright in the new work; and that nothing in the nature of substantial extracts from it must be published without the Council's express sanction. A memorandum relating to this matter in detail can be supplied on application. At the same time, no objection will be taken to such reasonable reference to the facts and figures therein set forth as many be prepared and for purposes of set forth as may be properly made for purposes of eriticism, review, and summary, or of study and research, but no information of any kind derived from the new issue may be published in book form before September 30, 1932. Advance copies of the text of the British Pharmacopæia, 1932, will be accessible on July 4, 1932, at this Office, and at 12 Queen Street, Edinburgh, and 35 Dawson Street, Dublin, for the inspection of the public, from 10 a.m. to 1 p.m., and from 2 p.m. to 4 p.m. daily, excluding Saturdays, in order to give to manufacturers, pharmacists and others interested, an opportunity of ascertaining the changes that are about to be made in official requirements, and of making the necessary arrangements to meet them. Every person who takes advantage of this opportunity will be expected to observe the conditions above indicated, and will be required to sign an undertaking to that effect. Inquiries by letter or telephone as to details of the contents of the new Pharmacopæia, or the changes about to be made in official requirements by its issue, cannot be answered. The advance copies themselves must be consulted. . . .

Yours faithfully,

NORMAN C. KING.

Dental Board of the United Kingdom

HE twenty-second session of the Dental Board of the United Kingdom opened at 44 Hallam Street, London, W.I, on May II, the chair-(the Rt. Hon. Sir Francis Dyke Acland, Bt.) man (the Rt. Hon. Sir Francis Dyke Actand, Bt.) presiding. The proceedings commenced with several routine matters, the most important of which was the alteration of the annual fee for retention on the Register to £3 10s. for 1933 and £3 for 1934, with an annual fee of £2 for each of the two years immediately following the year of registration. After these came

THE CHAIRMAN'S ADDRESS,

which commenced with an appreciation of the services of Sir Holburt Waring, for a long period senior treasurer of the Board and chairman of the Finance Committee. Sir Holburt Waring's retirement has followed, by a legal decision, the termination of his period of office on the General Medical Council as representative of the Royal College of Surgeons. The remainder of the address included a reference to post-graduate courses and a statistical record of the courses and a statistical record of the course. and a statistical record of the average age of dentists registered under the Act of 1921, namely, 47.25 years. These dentists number 6,748; five of them are over eighty years of age, and 1,594 are between thirty-two and forty years old.

DISCIPLINARY CASES

Mr. William Edward Griffin, 41 Russell Street, Forest Road, Nottingham, appeared before the Board in consequence of a conviction for the embezzlement of a sum of money belonging to his employer. He was ordered to appear again in a year's time with testimonials to his good conduct.

Mr. George William Southwood Clark, 94 West Street, Gateshead-on-Tyne. attended, following convictions for drunkenness. The Board's decision was postponed for six months, with the usual stipulation as to conduct.

Mr. James Alexander Randolph Allison, The Dampton, Kylbarchan, Renfrewshire, appeared, following convictions for fraud and attempted fraud. He was allowed twelve months for the production of stiffcetory testing.

twelve months for the production of satisfactory testi-

Mr. George Read Matland, 75 Moorgate, London, E.C.2, attended in answer to a charge of issuing circulars and leaflets. He was ordered to produce sufficient evidence of his good conduct after twelve months.

On the second and concluding day of the session it was recommended that the names of the following be erased from the Dentists' Register:—Mr. William Patrick Donnelly, 33 Templemore Avenue, Belfast, convicted of false representation; Mr. Frank Cecil Earle, 64 Glencoe Street, Anlaby Road, Hull, charged with issuing an untrue certificate and with "covering"; Mr. Archibald MacNab Robertson, 16 Rosefield Avenue, Portobello, Edinburgh, charged with obtaining payment illegally.

The other cases taken resulted in the retention of respondents' names on the Register. The dentists The other cases taken resulted in the retention of the respondents' names on the Register. The dentists concerned were:—Mr. Anthony Seaman, Oxford Street, Market Rasen, charged with advertising (a case adjourned from November 1931); Mrs. Florence Marie Etheridge, 74 Leadenhall Street, London, E.C.3, charged with using unduly large signs and lettering (adjourned from November 1931); Mr. Morris Millard, 56 George Street, Croydon, also charged with using unduly large signs and lettering (adjourned from November 1931).

General Medical Council

(Continued from the C. & D., June 4, p. 609)

RESTORATIONS

The registrar reported that the names of the undermentioned persons had been restored to the Medical Register:-

Allen, Frederick T. W. Anderson, Charles N. (I)
Bibby, William A.
Blumberg, Henry D'A.
Darwent, Claude T. (S.)
Egan, John P. (I) Eldon, Joseph (I)
Groves, Ernest J. C.,
O.B.E. (S)

Jamieson, Elizabeth G. (S) Keenan, Edward (I) Nasmyth, Roy D. Relton, Charles D. Smith, George W. (Col.)
Strang, Thomas M. (S)
Vickerman, Philip
O.B.E. (S) Young, William

DISCIPLINARY CASES

The first four cases taken had reference to convictions for drunkenness while in charge of a motor-car and similar offences. The respondents were Mr. James Gordon Bell, M.B., Ch.B., etc., 47 Barrow Road, Bristol; Mr. Alan Gray, M.B., B.Sc., 65 Moston Lane, Blackley, Manchester; Mr. George Francis Donaldson Perrott, M.R.C.S., L.R.C.P., 46 Belsize Road, Uxbridge; Mr. James Francis Patrick Devlin, M.B., B.Ch., 163 Lees Road, Oldham. The first three of these cases had been previously before the Council. All the respondents were told, after being admonished, that their names would remain on the Register. The first four cases taken had reference to convictions

The other case taken on the first day was that of Mrs. Rona Lockhart Wotherspoon, 293 Main Street, Barrhead, Renfrewshire, who held the Scottish triple qualifi-cation, summoned in consequence of a conviction for attempting to procure abortion. It was directed that the respondent's name be erased from the Register.

After a hearing extending over the greater part of three days, it was directed that the name of Mr. Vincent Blumhardt Nesfield, M.R.C.S., L.R.C.P., Sandhurst, be erased from the Register for unprofessional associations and the large terms of Vit Alarin. tion with a product known at Vit Alexin.

Irish Free State Package Tax

A SUBCOMMITEE of the Dublin and Provincial Retail Drug Association, headed by Sir Thomas Robinson, interviewed officials of the Free State Department of Finance, recently, with regard to difficulties which have arisen following the imposition of the package tax. The deputation also asked for information on many points which were obscure. Following the interview at the Department the Association issued lists to its

members showing the altered prices of many packed goods. The following statement was sent out recently by the Association to its members:—
"The introduction of the package duty, affecting almost every line handled by the trade, has necessitated daily meetings of the committee. A subcommittee was formed at once to deal with price changes, and has been meeting daily. The volume of these has been peen meeting damy. The volume of these has been enormous, but progress is now being made, and lists are being issued almost daily. The wholesale trade are generally increasing prices by 2s. 3d. per dozen, and retail prices of goods affected by the package tax will be increased by 3d. The subcommittee rely on the loyalty of their members to increase prices immediately on receipt of list to prevent unnecessary confusion amongst the public. A label will be issued shortly to stick on all packages, stating that owing to import duty the article cannot be sold at the price marked Numerous cases of obviously contradictory decisions by Revenue officers have been brought to the Members are advised notice of the committee. . . that in many cases the duty demanded on articles may be wrongly assessed, and if it is possible to do without the goods, they should refuse to accept delivery until definite rulings are obtained."

The package tax extends to all foods (whether for consumption by human beings, animals or birds), and all drinks, cosmetics, medicinal preparations, seed of fruits, vegetables, or flowers. This does not apply to fresh fruit or fruit, fish, fish paste, meat or meat paste in sealed bottles, jars, tins or cans, or fresh fish imported before November 12, 1932, or natural mineral waters or serums, vaccines, and preparations in ampoules.

in ampoules.

A new Association, known as the Irish Wholesale Grocers' and Chemists' Packing Association, has been formed, with offices at the Lenan Hall, Dublin, for the purpose of developing the interests of the Irish packing companies whose interests are concerned with the new

The Anglo-American Pharmaceutical Co., Ltd., London, have completed arrangements with the Dublin Drug Co., whereby the full range of Huxley Products, which they market in the Free State, will be manufactured out the Dublin Drug Co.

tured at the Dublin Drug Co.'s warehouses.

Retail Drug Association's Meeting

A special meeting of the Dublin and Provincial Retail A special meeting of the Dublin and Provincial Retail Drug Association was held in Jury's Hotel, Dublin, on June 2, to receive the report of the committee on the negotiations and interview with the Government regarding the Budget proposals. The president (Mr. James Duggan) was in the chair. The vice-president (Mr. T. C. Scott), the secretary (Mr. R. J. Kidney), and about forty other members were present. Several apologies for absence were received. absence were received.

The CHAIRMAN gave a short summary of the work the committee had been doing since the Budget was intro-duced. He said they had been meeting almost daily; a deputation had had an interview with the Ministry, and had pointed out how the package tax was being interpreted. They had also made some suggestions which were favourably received. Lists of advanced prices were being received every day from manufacturers and

Mr. A. J. Donnell (Hayes, Conyngham & Robinson, Ltd.) read an informative paper, of which the following

are the principal passages:—
"Apart from the tariffs, the prices of proprietaries imported from France, Germany and the U.S.A. have

been considerably increased owing to the f being worth only 15s. in these countries. The package tax affects our business most at present. 'Package' means any bottle, box, carton, envelope, wrapper, or any other container whatsoever This is very sweeping, and means that the Customs officials have the right to charge 2d. on each capsule, ampoule, cachet, powder or wrapped suppository in a box. Your committee have made representations to the Ministry on this point, and hope to get some modifications.

"The imposition of this tax has thrown an enormous amount of work on importers and wholesalers; and the

latter, to meet the cost of this, have increased their prices of many articles by 2s. 3d. or 2s. 6d. per doz. Your Association has increased retail prices of these articles by 3d., which you will admit is reasonable. It should be borne in mind that in order to keep our present percentage of profit, a profit must be added to the increased wholesale price of 2s. 3d. or 2s. 6d. per doz. Take the case of an article formerly costing tos. per doz. and retailing at 1s. 3d. This now costs 12s. 3d. per doz. and sells at 1s. 6d. Even by putting on 3d. to the retail price the percentage profit on turnover is not quite maintained. There have already been several small increases of from 3d. to 1s. 3d. per doz. by manufacturers which it is impossible to pass on to the public, and this loss must be borne by ourselves. We should here add that some manufacturers are making arrangements to pack goods in Dublin, but meanwhile, trade must be carried on and the tax paid on imported goods.

"The sugar confectionery tax applies to all imported tablets, pastilles, lozenges, etc., which contain or are coated with sugar. It is 1s. 6d. per lb. with an Imperial preference of 1s. per lb. The tax is not levied on the amount of sugar in the tablets, etc., but on the total weight of the tablets, etc. The package tax also applies to this class of goods when imported packed

ready for sale.
"Toilet soaps, shaving soaps, soap powders and soap substitutes are now taxed on importation at 37½ per cent. with a preference of 25 per cent. The former cent., with a preference of 25 per cent. The former rate of this tax was 20 per cent., no matter in what country the soap originated. The duty is therefore almost doubled on soaps made outside the British Commonwealth of Nations, and this explains the big increases in some U.S.A. shaving soaps and French toilet soaps. The tariffs on household soaps is now 221/2 per cent., with a preference of 15 per cent. Bags wholly or mainly made of paper and imported unfilled are taxed at 30 per cent., with a preference of 20 per cent. Circulars and leaflets are taxed, as matter printed on paper and imported in bulk, at 15 per cent., with a preference of 15 per cent. with a preference of 10 per cent. Labels, tags, tickets and trade catalogues, if imported in bulk, are taxed at 50 per cent., with a preference rate of 33 per cent.

"The minimum duty does not apply in the case of

the package tax, but any one or more articles liable to this tax, no matter how small, must be sent by parcel post or the goods are liable to confiscation on entry into the Saorstat. This means that if it were necessary to import, say, one bottle of aspirin tablets, which is only liable to the package tax, it would cost 6d. postage in England, 6d. parcel tax and 2d. package tax. If the article required contained any dutiable ingredient such as alcohol, sugar, saccharin, etc., say, a bottle of twenty-five sugar-coated tablets, it would likewise have to be sent by parcel post, costing 6d. There would be the minimum duty of 2s. 6d. to pay, plus the 6d. parcel tax and 2d. package tax on delivery, making in all 3s. 8d."

Mr. John Smith proposed, and Dr. Mitchell seconded,

that the paper be circulated to all the members.

The following also spoke:—Mr. Ronald Brown, Mr. The following also spoke:—MIT. KONALD BROWN, MIT. F. MAXWELL, MIT. R. A. PELISSIER, MIT. D. McGahie, MIT. FIELDING, MIT. J. A. GLOVER, MIT. H. J. SUMNER, MIT. D. M. WATSON and MIT. J. ROCHE.

MIT. J. McCORMACK (Wexford) proposed a vote of thanks to the committee for the work they had done. MIT. W. F. KIRBY (Wexford) seconded.

Pharmaceutical Society of Great Britain

Branch Meetings

Bedford.—A meeting of the Bedfordshire Local Branch was held at Bedford on May 31. Mr. H. S. Brawn reported on the delegates' conference, and emphasised the advice of the president and the secretary of the Society to accept the Bill. Mr. A. W. Morgan gave an interesting address on The Work of the R.P.U. Discussion followed, and numerous questions were answered. It was proposed that a letter be sent to Alderman J. H. Webb (twice president of the local Branch), who is in a nursing home at Luton.

Cardigan.—At the annual meeting of Cardigan, Carmarthen and Pembrokeshire Pharmaceutical Association, Mr. D. S. Davies, Carmarthen, was appointed Chairman; Mr. John Davies, St. David's, Treasurer; and Mr. John Gower, Llanelly, Secretary.

Lancashire (N.E.).—A meeting of the North-East Lancashire Branch was held at Blackburn recently, Mr. Clifford Taylor (Accrington) presiding. Mr. Harry Brindle, B.Sc. (Pharmaceutical Department of Manchester University) gave an address on *The Pharmacist and the Food and Drugs Act*. Mr. Brindle said he had had the unusual experience of seeing the working of this Act from two standpoints—as a pharmacist and as an analyst. Experience tended to show that cases often turned on small points. There was the question of distilled water. In most centres tap water was used for N.H.I. prescriptions, but there should be due consideration of the character of the water in the mixing. Generally, an analyst did not recommend proceedings if a mixture was within 10 per cent. of what it ought to be. A pharmacist should be able to get within 5 per cent. Ginger was a favourite commodity for samples, and it was well to discriminate carefully between the medicinal ginger, the ginger intended for food, and so forth. In this respect, the order prohibiting preservatives in food affected the chemist as well as other traders, because if ginger was bought for the confectioner it must not contain any of the prohibited preservatives. Borax was another commodity of which many samples were taken. Care should also be exercised in the supply of mercury ointment, which was often asked for by the public under different names. Preparations containing methylated spirits also required some care. As to the warranty defence, there were cases under this head which were apparently on opposite lines. Dealing with the Preliminary scientific examination, Mr. Brindle said there had been a material alteration within recent years. Formerly chemistry was the chief subject; to-day there had been a big advance in physics and botany, while the standard of chemistry was somewhat lower than previously. Taken as a whole, the examination was much more difficult to pass. Mr. Brindle, answered many questions Brindle answered many questions.

Lancaster.—The tenth annual meeting of the Lancaster, Kendal and District Branch was held at Kendal on June 1, the retiring president (Mr. W. C. Eastwood, Lancaster) in the chair. The report of the secretary and treasurer (Mr. W. A. Smith) was of a satisfactory character. There are sixty members. Mr. Smith also presented a report of the recent delegates' meeting. It was suggested by a member that the district should be divided, half being Lancaster and a ten-mile radius and the other Kendal and a ten-mile radius. After discussion, it was found that the majority favoured a continuation of the present district, but the Kendal chemists were asked to give the suggestion further consideration. The following officers were elected:—President, Mr. H. F. Alsop, Kendal; Vice-President, Mr. C. E. Marriott, Lancaster; Secretary and Treasurer, Mr. W. A. Smith, Lancaster; Auditors, Messrs. H. E. Cuthbert and H. Lewty, Lancaster; Committee, Messrs. A. H. Robertson, J. B. Shattock, C. E. Spenceley, A. Bate, W. C. Eastwood, Lancaster; E. Hodgson, Kendal;

R. Smalley, Cornforth. Mr. James Jack (a member of the Society's Council) spoke on *The Pharmacy and Poisons Bill*. Mr. Jack explained the reasons for the Council withdrawing their opposition to the Bill. The only chance they had was to accept the Bill in its present state. A discussion ensued in which practically all the members took part.

Leeds.—The ninth annual meeting of the Leeds and District Branch was held on May 19, Mr. John Lancaster presiding. The secretary (Mr. G. C. Crummack), in his annual report, stated that during the year there had been seven council, six subcommittee, three general and five special meetings, together with a lecture, the usual students' night, and the customary dinner and other social events, a total of twenty-six gatherings of one kind and another. The science committee had met regularly to consider points of pharmacy and allied sciences, but regretted that the members generally had not yet begun to respond as well as was hoped to the invitation to present general pharmacy problems. The secretary mentioned that whilst the branch membership was now 360, financial grant from headquarters had been received in respect of only 287, the discrepancy being due largely, he understood, to the lateness of a good many members in paying their subscription to London. The report of the treasurer (Mr. A. W. Lupton) showed a branch credit balance of £5 12s., a figure much lower than it ought to be if members all paid their Society subscriptions in proper time. It was mentioned tha owing to the local fund's difficulty the secretary had, as last year, forgone part of his honorarium in order to keep the finances on the right side. The reports were adopted and a tribute was paid to the services of the secretary, the treasurer and the auditor (Mr. N. N. Armitage). The following officers and Council were elected:—Chairman, Mr. Paul Dobson; Vice-Chairman, Treasurer, Mr. A. W. Lupton; Secretary, Mr. G. C. Crummack; Council, Messrs. W. Eaddie, E. C. Foster, G. H. L. Haw, W. G. F. H. Kemp, F. C. Long, G. A. Nelson, T. Shooter, J. F. Simon and R. Swaits, with Messrs. J. Judge, J. A. C. Brims and H. Hodgson for outside districts, and Messrs. H. Gilleghan, N. N. Armitage and J. H. Beecroft as exofficio members.

Leicester.—The annual meeting of the Leicester and Leicestershire Branch took place at The Turkey Café. Mr. T. E. Mellor (vice-president) presided in the absence of the president (Mr. H. A. Martin), who was unable to be present. The treasurer presented the balance sheet, which revealed the fact that £22 7s. had been raised for the Benevolent Fund; £14 of this had been due to the efforts of the ladies' committee. Mr. A. E. Young gave the report of the Advisory Committee and told of the success of the new apprenticeship scheme. The following officers were elected for the coming year:—President, Mr. T. E. Mellor; Vice-President, Mr. E. B. Ward; Secretary and Treasurer, Mr. F. H. Clark; Social Secretary, Mr. Berry; Auditors, Mr. F. G. Blockley, Miss Perkins; Council, Messrs. Stiles, Young, Remington, Westhead, Bream, Lovell, Thomas, Tomblin, Brownlow, Bradley, Misses Kaye and Bonsor.

Nottingham.—A meeting of the Nottingham and District Branch of the Pharmaceutical Society was held recently, when Mr. B. A. Bull (production manager of Boots Pure Drug Co., Ltd.) delivered an address on Pharmacy in the United States of America: Some Observations. Mr. Bull mentioned that there were over 60,000 registered pharmacists in the United States, and approximately 4 per cent. of the total business in the States was transacted in the pharmacies and drug stores. Mr. Bull remarked that in one State a candidate passed in all his pharmaceutical subjects, but failed in dispensing an ice-cream sundae. The Pharmacy, Poison and Pure Drug Laws were enforced by six different enforcement agencies, whilst the Narcotic Law was enforced by nine different departments.

Association Meetings

Brighton.—An open meeting of the Brighton and Hove Association of Pharmacy and qualified retailers in the district was held on June 2 at Booth's Restaurant, East Street. There was an excellent attendance. The meeting had been called to consider further the scheme for restricting the growth of unqualified competition. The president (Mr. K. J. Padwick) gave a brief account of the movement since its inception in February. The report of the subcommittee was then presented with a detailed account of the progress made. About thirty of the best wholesale firms had been written to individually in addition to the wholesale trades Association. Although several firms had adopted a non-committal attitude pending the decision of their Association, nearly all the best houses had given their unqualified support to the proposals of the Association, and the names of these were given to the meeting. It was stated that the incessant subdivision of large accounts and the continuing multiplication of small ones are far from being a source of profit, and that resentment is felt among chemists that their own wholesalers should assist the unqualified opposition which only by accident is legally permissible. It was moved by Mr. Vickers, and seconded by Mr. Beckwith, that a report of this meeting should be sent to the pharmaceutical Press, and that at later date a list of those wholesalers supporting the scheme should be published.

Cardiff. — A meeting of chemists and photographic dealers carrying on business in the district, was held on May 24, when following an address given by Mr. W. Thompson, treasurer of the Photographic Dealers' Association, it was agreed to form a local branch of the Association. The following were elected officers:—Chairman, Mr. R. Robinson; Treasurer, Mr. Frank Edwards; Secretary, Mr. Underwood; Committee, Messrs. G. Holley, J. T. Day, S. B. Eason, B. T. James.

Chemists' Dental Society.—The twenty-second annual meeting of the Chemists' Dental Society was held at the Horticultural Hall, Westminster, S.W.I, on May 26, Mr. H. J. Morgan (president) in the chair. A report of the work of the past year was given, together with the balance sheet. The payment of all expenses, including insurance against professional risks, out of the accumulated funds of the Society commenced this year, and it was not necessary to apply to members for further annual subscriptions. This is probably unique in any society. Dividends on investments were sufficient to pay the bulk of the expenses. The result of inquiries at the Dental Board and the dental hospitals regarding pharmacists and dental qualifications was given, and the matter is being further pursued. Discussions took place regarding dental treatment for the police. Those members who were on different watch committees throughout the country gave information as to local conditions, and it is hoped that a national scheme may be evolved giving free choice of dentist. Insurance dental treatment for members of approved societies being now withheld in many cases through lack of funds, it was hoped that the experience gained would give valuable data for making it a statutory benefit in future, in place of the present arrangement. Particulars of dental demonstrations were given, the advantages of these to members being generally conceded. A vote of thanks was given to the retiring president (Mr. H. J. Morgan), who distinguished his year of office with many valuable and constructive suggestions. The following officers were elected for the ensuing year:—President, Mr. C. C. Greensmith; Vice-President, Mr. G. I. Williams, Treasurer, Mr. J. Laws; Auditor, Mr. W. E. Barker; Council, Messrs. Ashford, Barker, Davis, Greensmith, Jones, Laws, Morgan, Perkins, Sutcliffe, Williams, Vernon, Workman and Dr. Templar Malins; Secretary, Mr. J. W. Roberts, 10 Tavistock Place, London, W.C.1.

London (W.).—The annual meeting of the Western Pharmacists' Association was held on June 1 at Stewart's

Restaurant, 50 Old Bond Street, W.I, Mr. G. W. Evans (president) in the chair. The general secretary (Mr. D. T. Jones) gave his report, which showed an increased membership; he also gave a short description of the meetings and committees held during the session, which on the whole had been very successful. The social secretary (Mr. Gwilym Thomas) gave his report, and was complimented on the success of the social gatherings. The treasurer (Mr. W. E. D. Shirtliff) spoke on the satisfactory state of the balance sheet, which had been audited by Messrs. Wilkinson and Lownsbrough. There were five vacancies on the committee, and six nominations had been received. The ballot resulted in the following being elected:—Messrs. A. R. Melhuish, C. A. Noble, W. E. D. Shirtliff, C. Evans and W. T. Pratt. The auditors were re-elected. A hearty vote of thanks was accorded to the president.

Manchester.—On June 2 the following officers were elected for the ensuing year:—President, Mr. E. H. Simmons; Vice-Presidents, Mr. H. Brindle, B.Sc., and Mr. D. Dickson; Secretary, Mr. T. Miller; Treasurer, Mr. W. I. Scholes. The council decided to suspend the annual picnic until conditions were more favourable.

Scottish Pharmaceutical Federation.—A meeting of the Executive Council of the Scottish Pharmaceutical the Executive Council of the Scottish Pharmaceutical Federation was held in Edinburgh on May 18, Mr. Alexander A. Dick (president) in the chair. The other members of the Council present were Messrs. P. M. Duff (vice-president), John Weir, H. P. Arthur, W. S. Culbert, Alex. Murray, Martin Meldrum, James Ferrier, B. Cartwright and James B. McLaren. Six applications for membership were passed. Among other matters, the following were under consideration:—Reports of N.H.I. test (prescription cases) were given including two cases where the Federation's analysts found that the medicaments dispensed conformed to the prescriptions after they had been questioned by the respective Insur-ance Committees as a result of wrong analyses on the part of analysts appointed by the Department of Health for Scotland. The Department and the Insurance Committee had both, in one of these cases, refused to refund the cost of the member's independent analysis; and it appeared that neither of these bodies was legally liable to meet such cost. It was resolved to report the matter to the Pharmaceutical Standing Committee (Scotland). Reference was made to a recent case dealt with by the Federation where it was found (1) that even although an item is marked "B.P.C." in a price list and/or invoice, this is not a sufficient defence in a charge under the Food and Drugs (Adulteration) Act unless there is also a proper written warranty in the price list and/or invoice; and (2) that the written warranty of many of the wholesalers which covers B.P. articles does not cover B.P.C. articles. Correspondence with individual wholesalers regarding this matter was read. It was reported that the general purposes committee had decided to approach in the first instance the medical officers of health for (a) Glasgow, and (b) Lanarkshire, with a view to the supply of medicines being confined to chemists generally. A member's complaint that grocers had been selling patent medicines and giving trading stamps with such sales was taken up with the P.A.T.A., who had communicated with the grocers. The following were declared members of the Executive Council for 1932-33:—Abermembers of the Executive Council for 1932-33:—Aberdeen and North-Eastern Area—R. Alexander, Strichen; M. K. Watt, Aberdeen; Dundee and East and Central Area—James Ferrier and James Duff, Dundee; Edinburgh and South-Eastern Area—David Harley, Musselburgh; Peter Nisbet, Leith; James B. McLaren, Kirkcaldy; B. Cartwright, Galashiels; Glasgow and South-Western Area—P. M. Duff, Glasgow; W. S. Culbert, Airdrie; Alex. A Dick, Bellshill; John Weir, Clydebark; H. P. Arthur, Glasgow; and Martin Meldrum. Avr. The accounts showed a highly satisfactory surplus for the year, and it was noted that the membership had again shown a considerable increase.

Small-Scale Manufacture of Compacts

By H. Stanley Redgrove, B.Sc., F.I.C.

T is probably true to say that there is no form of cosmetic preparation in greater demand than face-powder. And owing to its convenience in use the "compact" is the form in which most women like to have their powder and, if they employ it, rouge as well. The coming of the compact meant a big change for the chemist; for, whereas, with a small mixing and sifting machine, he could compound the older form of face-powder, to make compacts meant the installation of more elaborate machinery. Two recent inventions have more or less rendered the manufacture of compacts on a small scale a matter of extreme simplicity. First of all came the self-compacting box, which seems to give good

results with any sort of face powder. And certain advantages can be claimed for soft compacts as compared with those of the older type. The second invention, for which we are indebted to Polak & Schwarz, Ltd., is a machine for turning out the harder type of compact by hand, using the company's special line of perfumed compact-binders.

The apparatus is very simple, and occupies little space. It consists of three parts, namely (i) a hardwood block, pierced with a hole the diameter of which is that of the compact required; (ii) a hardwood pestle to fit this, cylindrical in form, with the base somewhat

pestle to fit this, cylindrical in form, with the base somewhat hollowed out; and (iii) a supply of metal containers for the compacts. It is desirable that the containers should have somewhat incurved edges, the hole in the block being abruptly widened out at the bottom, so that the container fits in snugly. Instead of a metal container, a glass plate may be used, if preferred. The machine is used as follows: Nine parts of a powder of suitable composition is mixed with one part of the special compact-binder. The bottom of the metal or other container is lightly coated with liquid glue, the container is placed in position and a sufficient quantity of the powder mixture is poured in. The pestle is inserted and given a light blow. The container is then removed. After being left for a couple of days the compacts are ready. They can be compressed directly in the boxes if desired. The inventors state that, using this procedure, an unskilled girl can turn out roo dozen compacts in the course of a working day of eight hours, which, after some experiments with the machine, I do not consider an exaggerated claim.

Formulas for face powders are almost legion; but even more valuable to the chemist than a collection of formulas is a clear understanding of the raison d'être of the various materials which are employed. The following notes, therefore, may be useful:—

ing notes, therefore, may be useful:—

Kaolin.—This is the basis of most modern powders.

The best form is osmo-kaolin.

Slarch.—Less in favour now than formerly as a basic material. If employed, rice-starch should be used in preference to other starches. It is not recommended for use in compacts, except in small proportions.

for use in compacts, except in small proportions.

Talc.—This gives the powder slip. Excellent in compacts.

Zinc oxide and Titanium dioxide.—These materials give the powder whiteness and opacity. Zinc oxide is more usually employed, but titanium dioxide is growing in favour, as it is much more opaque than zinc oxide and is physiologically inactive. The form of titanium dioxide adulterated with barium sulphate should be avoided.

Barium sulphate and carbonate.—These should be avoided. The latter is especially dangerous.

Precipitated chalk.—Not recommended.

Magnesium carbonate (light).—This is a desirable ingredient when a light and "fluffy" powder is required. Not good in compacts, except in small amounts.

Magnesium and zinc stearate.—These render the powder more adhesive. The zinc compound, however, is in ill-repute in America and is better avoided.

Bismuth oxychloride and subcarbonate.—Sometimes recommended for giving opacity and whiteness. Expensive and possibly injurious. Titanium dioxide is much to be preferred.

Strontium sulphate and carbonate.—These two materials seem to have obtained a measure of favour in France; but I am aware of no advantages possessed by them.

Kieselguhr.-Not recommended.

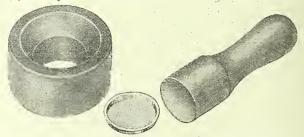
The following is a simple formula, which gives good results with the special compact-binders and machine described above:—

 Zinc oxide
 ...
 ...
 ...
 10 parts

 Kaolin
 ...
 ...
 ...
 30 parts

 Talc
 ...
 ...
 ...
 60 parts

Chemists who contemplate making their own compacts will find it advantageous to experiment with various proportions of the recommended materials, titanium dioxide, in particular, being a substance of interest and promise. Tastes differ as concerns opacity, and, whilst the general trend to-day is towards powders of a more or less transparent character, the chemist might find it to his advantage to be able to offer a range of colours and perfumes in two or three different degrees of opacity. Perfuming is a simple matter, if the compact-binders mentioned are employed, since these can be obtained in a wide range of odours. There remains the question of colour. Undoubtedly, there is much to be said in favour of insoluble colouring matters compared with soluble dyes; but so far as red is concerned, the earth pigments are not sufficiently brilliant, and there is a real difficulty in obtaining lake-colours of known composition and of undoubted harmlessness. The question is complex, because a lake may be injurious for three reasons: (i) it may contain noxious impurities, (ii) the dye from which it is made may itself not be



harmless, and (iii) the lake may itself be a compound of a toxic metal, e.g., barium or lead, or one thrown down on a base containing a toxic metal. For the time being, therefore, it seems desirable to stick to the earthpigments and allied colouring matters, and such coaltar dyes as are usually recognised as suitable for colouring foodstuffs. Quite an interesting range of flesh tints ("rachel," "naturelle") can be obtained by means of yellow ochre and eosine. Sienna (burnt and raw) is useful for dark flesh tints; and rose-bengale, used (in solution) in very small amount, is recommended for a clean pink. For rouge, deeper shades of red are required, and the following may be employed—carmine, up to 5 per cent. in ammoniacal solution; eosine, up to 2 per cent.; erythrosine, phloxine, and carmoisine, about 1 per cent. Burnt sienna and Armenian bole are useful for toning down the shade. It is understood, of course, that dyes are always incorporated with the powder basis after dissolving in a suitable solvent. Water is the cheapest, but spirit dries more rapidly.



SOME OF THE PHARMACY POTS IN THE SALE ON JUNE 10 AT THE ROOMS OF SOTHEBY & CO., NEW BOND STREET, LONDON, W.I. (1) CONTAINER WITH DECORATION IN BLUE, YELLOW, OCHRE AND GREEN ON A YELLOWISH-WHITE GROUND. SIENA, EARLY 16th CENT (2) ALBARELLO, WITH YELLOW-WHITE GLAZE, DECORATED IN COLOURS. SIENA, ABOUT 1505. (3) CONTAINER, WITH DECORATION, INCLUDING PEACOCKS' FEATHERS IN COLOURS. FLORENCE, ABOUT 1450—70. (4) JAR WITH HANDLES; ON THE SIDE OPPOSITE TO THAT SHOWN, THERE IS A RIBBON SCROLL WITH THE WORD "PENIALFINE" AND A DECORATION OF PEACOCKS' EYES AND FOLIAGE IN COLOURS. FLORENCE, ABOUT 1450—70. (BY COURTESY OF MESSRS. SOTHEBY & CO.)

Trade Notes

Mr. Frank J. Murphy has been appointed to the representative staff of John Dew, Ltd., soap makers, 180 New Bond Street, London, W.

EPHREGEL JELLY.—Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool, have sent us a sample



of Ephregel nasal jelly, a modern therapeutic preparation for the treat-ment of hay fever, nasal catarrh and cold in the head. Ephregel contains ephedrine, adrenalin, menthol, thymol, pine oil, boric acid and sodium chloride in a non-greasy base, and is packed in collapsible tubes with a long nozzle. Each tube is enclosed in a carton, half a dozen of which are packed in a display outer. Messrs.Evans Lescher are issuing a distinctive window bill measuring 34 in. by 10 in. to draw atten-

tion to this latest preparation from their Biological Institute.

H. Bronnley & Co., Ltd., Acton, London, W.3, are using the leading ladies' journals to call attention to the virtues of Bronnley's cream (made with lemon).

Metal showcases.—J. C. King, Ltd., 42 Goswell Road, London, E.C.I, illustrate some inexpensive metal frame showcases in their advertisement in this issue.

W. M. Delf & Co., 130 Rice Lane, Liverpool, are offcring soft soap made from olive oil and from coconut oil, also liquid soaps suitable for shampoos and other toilet preparations.

Ergoapiol.—Thomas Christy & Co., 4 Old Swan Lane, London, E.C.4, inform us that the Ergoapiol capsules of the Martin H. Smith Co. can now be supplied unstamped for dispensing.

FLIT.—Stemco, Ltd., 128 Albert Street, Camden Town, London N.WI, urge chemists to carry sufficient stocks of Flit and the sprayers to meet the demand arising from the national advertising of these lines.

Johnson's Lysol Bonus.—Johnson & Sons, Manufacturing Chemists, Ltd., Hendon Way, London, N.W.4, have, in connection with their lysol, a bonus scheme so graded as to meet the needs of most businesses. A leaflet giving full particulars will be sent to chemists on application.

A. F. Sherley & Co., Ltd., dog medicine manufacturers, 18 Marshalsea Road, London, S.E.1, are arranging a novel "head the dogs" competition, and a circular giving full details of this event is being sent to chemists during the next few days. Prizes are being given to retailers who supply Messrs. Sherley's goods to the winning competitors.

A. Bourjois et Cie, 4 Water Lane, Blackfriars, London, E.C.4, have augmented their Evening in Paris series of preparations by the introduction of a toilet soap. Packed three tablets in a box, this soap is of the high standard which has been set by the company's previous lines in toilet soap. This is not the first time Messrs. Bourjois have put an Evening in Paris toilet soap on the market, but hitherto these soaps have been at somewhat luxury prices—now the soap is available at a popular price per tablet to the public, and it should meet with a well-merited demand.

Perox, Ltd., 12 Chenies Street, London, W.C., have been appointed sole distributors for the compound Epsom salts tablets and the compound Glauber salts tablets manufactured by Kest, Ltd., 6r Mortimer Street, London, W.I.

Chemists' exhibition windows.—The voting on the order of merit of the window displays at the Chemists' Exhibition (C. & D., May 28, p. 588) resulted as follows:—(1) McClure, Young & Co., Ltd.; (2) Ava, Ltd.; (3) Allen & Hanburys, Ltd.; (4) Marlborough & Co., Ltd.; (5) County Perfumery Co.; (6) Milton Proprietary, Ltd.; (7) National Drug Industries, Ltd.; (8). The Harry A. Penney Co., Ltd.; (9) Howards & Sons, Ltd. Prizes were awarded to the competitors whose voting papers were adjudged most nearly in accord with the general opinion of the voters, the winners being: (1) E. M. Madeway (Bernard Phillips, Ltd.), Plumstead, London, S.E.18; (2) A. M. Gammage (Mr. J. Flinton Harris), Northampton; (3) J. G. Martin (Dawson Brothers (London), Ltd.), E.C.1; (4) F. R. N. Harries, Bayswater, London, W.2.

ATTRACTIVE TOILET LINES.—The artistic showcard shown in the accompanying illustration is issued in con-

nection with the Savoy series of toilet preparations of A. de St. Dalmas, Ltd., Leicester. It will be appreciated that the bottle is of a pleasing modern style, with a sprinkler neck and chromium plated cap. This container has two labels, the front one bearing the name of the product and the back one has the directions for use, a thin transparent tissue protecting them from abrasion.



Lipvac flasks.—Lip-Vac Flasks, Ltd., 8 Ludgate Square, London, E.C.4 in writing to us regarding their vacuum flasks (which are now being made in this country) state that they are providing work for about thirty people at their factory situated at 12 Carlisle Road, Leyton, E.io. In addition they have placed contracts for 800,000 aluminium parts and half a million tin parts which form the canisters, together with bands, seals, corks and other accessories to make up the finished article, and which orders have previously been placed in Germany. The prices of the flasks are unchanged. Any member of the trade who would like to see how vacuum flasks are made will be shown round the factory on making an appointment with the London office.

Business Changes

Mr. R. Spyvee, chemist and druggist, is opening a business at 70 Freeman Street, Grimsby.

Mr. N. HYMAN, M.P.S., has acquired the business of Mr. L. Livingstone, M.P.S., 99 Camp Road, Leeds.

Mr. P. G. Heafield, chemist and druggist, has opened a pharmacy at 32 King Cross Street, Halifax.

Mr. S. A. Jackson, M.P.S., has opened a pharmacy, with optical department, at 84A Camp Road, Leeds.

Mr. O. Pickerill, chemist and druggist, is shortly opening a pharmacy at 122 Seamon's Road, Altrincham.

MR. ISLWYN JONES-WILLIAMS, M.P.S., has purchased the business of Mr. Arthur Flood, M.P.S., Kenton, Harrow.

Mr. REGINALD T. WALSH, chemist and druggist, has opened a business at Chapel Allerton Parade, Harrogate Road, Leeds.

Marriages

DAVIES—DIBBEN. — At South Front Evangelical Church, Southampton, on June 1, Frank Hugh Sturton Davies, M.P.S., son of Mr. F. H. Davies, M.P.S., Lyndhurst, to Violet Edna, daughter of Mr. Ebenezer Dibben, Pinewood, Southampton.

Mantle—Morgan.—At Bedwellty Parish Church, on June 6, Emlyn Mantle, M.P.S., The Pharmacy, Pontllan-fraith, Newport, Mon., to Cleo Evelyn Morgan, Tredegar.

OBADITCH—LETCHER.—At St. Mary's Wesleyan Church, Truro, on May 21, T. Obaditch to Joyce Letcher, chemist and druggist.

POTTER—Vos.—At St. John's Church, Southend-on-Sea, on June 4, Kenneth, only son of Mr. Henry Potter (Potter & Clarke, Ltd., London, E.I) to Sophie, eldest daughter of Mr. Arthur Vos, Durban, Natal.

Deaths

Kent.—At his residence at Wallington, on May 29, of heart failure, Mr. Edward Kent, chemist and druggist, senior partner in the firm of R. H. Cooper & Co., chemists, 20 Royal Exchange, London, E.C.3, aged eighty. Mr. Cooper was born in Liverpool, and was educated at Manchester Grammar School and Owens College. He served his apprenticeship at Messrs. Mottershead's, Exchange Street. Later he came to London and was with Squire & Sons and Kingsford & Co.; from there he went to Bombay for about three years. Returning to England in 1879 Mr. Kent acted as manager for the widow of the late Mr. R. H. Cooper, 20 Royal Exchange, and subsequently took the business over. In 1928 he opened a branch in the New Lloyd's Building, Lime Street, E.C., taking an active part in the business to the end. He earned for himself a justified reputation for kindliness and integrity; this has been manifest by the number of expressions of sympathy from the trade and among his customers from the Stock Exchange and from Lloyd's. The pharmacies will be carried on as R. H. Cooper & Co. at the same addresses, by Mr. Conway G. Kent, chemist and druggist, his son, who has for some time been in partnership with him.

Marshall.—At 194 Cassland Road, London, E.9, on May 26, Mr. David Woolley Marshall, chemist and druggist, aged sixty-four.

NICHOLS.—At Hythe, Kent, on May 13, Mr. Arthur Fitzroy Nichols, retired chemist and druggist, formerly of Sittingbourne, aged seventy-seven.

RYE.—At his residence, 88 Parkstone Avenue, Parkstone, on May 17, Mr. Frank Rye, Ph.C., aged seventyone. For forty-three years Mr. Rye carried on business at 119 Poole Road, Bournemouth.

TownLey.—On June 4, Annie Jane, the beloved wife of Mr. T. W. Townley, Ph.C., The Hollies, Keswick, aged seventy-nine.

Personalities

Mr. F. G. Wells has been re-elected treasurer of the South-West London Chemists' Association and Branch of the Pharmaceutical Society.

Mr. Walter Rose, F.R.G.S., has been appointed secretary of the Early Closing Association in the place of the late Captain Albert Larking.

Mr. Edward Warrick has been appointed London manager of Oswald M. Smith & Co., Ltd., general merchants, New Zealand, whose offices are at 10 Mark Lane, E.C.3.

Mr. Arthur Newbery (Francis Newbery & Sons, Ltd., Charterhouse Square, London, E.C.1) has presented twenty-five acres of land to the Corporation of Reading for use as a recreation ground.

The Association of British Chemical Manufacturers has decided to send its chairman of Council, Dr. E. F. Armstrong, D.Sc., Ph.D., LL.D., F.R.S., J.P., and its general manager, Mr. J. Davidson Pratt, O.B.E., M.A., B.Sc., F.I.C., M.I.Chem.E., as its representatives at the Imperial Conference at Ottawa.

Mr. R. T. Christopher, chemist and druggist, Bradford-on-Avon, was the first candidate for exaltation recently, when for the first time a meeting of the Trowbridge Chapter of Royal Arch Masons was held in the old Church House, Bradford-on-Avon. Several members of the drug trade attended the ceremony.

The list of Royal birthday honours includes only a few names of men in any way related to pharmacy

and the drug trade. Among the new knights are Dr. H. B. Brackenbury (chairman of Council, British Medical Association), Mr. R. L. Mond, Professor W. W. Smith (Regius Professor of Botany, Edinburgh University) and Dr. A. S. Woodwark (Westminster Hospital); and the chairman of the Board of Customs and Excise, Mr. E. R. Forber, receives the K.C.B. Of more interest than these names is that of Sir John Sumner, F.S.A., chairman and founder of Sumner's Typhoo Tca, Ltd., and other com-



SIR JOHN SUMNER, F.S.A.

Summer's Typhoo Tca, Ltd., and other companies, who began his career by serving an apprenticeship to Mr. J. C. Coles, Ph.C., Chippenham. Mr. Coles also had a grocery business, and while with him young Mr. Sumner gained an insight into the uses of a brand name. In 1903 he first became convinced of the value of the tea now known as Typhoo tea; after several years' propaganda its sale began to increase rapidly, until to-day it is sold in more than 40,000 shops throughout the kingdom. Sir John Sumner is closely associated with the public life of Birmingham, which is indebted to him for many philanthropic gifts.

Wills

Mr. Duncan McEwen, chemist and druggist, 41 Causeyside Street, Paisley, who dicd on March 19 last, left personal estate in Great Britain valued at £1,025.

Mr. Henry Collins, 651 Manchester Road, Denton, Lancs, chemist and druggist, who died on March 1 last, aged seventy-seven, left estate gross value £20,176, with net personalty £15,302.

Mr. David Usborne Still, Ben Bry, 130 Black Fen Road, Sidcup, Kent, and of Artillery Place, Woolwich, S.E., chemist and druggist, who died on January 19, left cstate gross value £8,505, with net personalty £4,734.

Mr. Thomas Waide, Applegarth House, Woodlesford, Yorks, governing director, Thomas Waide & Sons, Ltd., chemists' printers, Leeds, who died on February 15 last, aged seventy-eight, left estate gross value £43,540, with net personalty £42,519.

Mr. Arthur Ledsam Savory, of 67 Roehampton Lane, Putney, London, S.W., late of Messrs. Savory & Moore, New Bond Street, London, W., died on April 20 last, aged seventy-six, leaving property valued £63,317, with net personalty £56,612.



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Information Department

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F/256. Preparin tablets (for gallstones).

Ultravitamin

THE

CHEMIST AND DRUGGIST

VOL. CXVI

JUNE 11, 1932

NO. 2731

A New Analysis of Prescriptions

THE tabulation and analysis of prescription ingredients is always of value to the pharmacist who desires to study the trend of prescribing. analyses, based on a number of prescriptions sufficient to yield results worth examining, have been published at intervals during the past forty-six years. In 1886 we gave a detailed account (C. & D., 1886, I, 351-355) of the analysis of 10,000 prescriptions forwarded to us, and summarised the findings of Mr. Albert Ebert, of Chicago, in respect of 15,000 prescriptions collected in the State of Illinois. The late Mr. William Martindale published in 1894 an analysis of 12,000 prescriptions drawn from Aberdeen, Bournemouth, Carlisle, Cork, London and Oxford, together with that of 2,000 from his own pharmacy. The issue of the "Journal of the American Pharmaceutical Association " for March 1932 contains similar data in respect of 40,000 prescriptions from New York State, to which is eventually to be added a survey for other areas, bringing the total up to 120,000. This latest analysis agrees with ours of 1886 in giving frequencies of occurrence in each 10,000 prescriptions; bringing the others to the same scale, we arrive at the following comparison for a selection of typical substances:-

Name	C. & D. 1886	Ebert 1885	Martin- dale 1894	A.Ph.A. 1932
Acid carbolic	83 225	477.2	120	175.25
Aq. camph	232	$\begin{array}{c c} 71.2 \\ 161.2 \end{array}$	310	7.0
Aq. menth. pip Bismuth. carb	68	101.2	310	76 130.25
Chloral hydras	141	248.6		74
Ext. casc. sag. liq	88	210.0		47.5
Ext. colac. co	72	354.6		
Glycerinum	545	566.6	729	274
Hydrarg. c. creta	238	136		_
Hydrarg.subchlor	252	472.6		52.25
Liq. arsenicalis	218	-	293	101
Mag. sulph	156	74	219	11.5
Pot. bicarb Pot. bromid	447 717		386	28
T) 1 *1	81	388	304 126	55.5
Pot. citras Pot. iodid	334	476.6	297	128 136
Quin. sulph	563	899.2	498	99.75
Sodii bicarb	555	-	673	337
Sodii salieyl	188		270	224.5
Spt. æth. nit	413	338.6	_	58.25
Spt. amm. arom	566	—	563	37.5
Spt. chlorof	853		931	16.75
Syr. scillæ	383	-	-	42.25
Syr. tolu	316	378.6	260	129
Tr. camph. co Tr. digitalis	307 244	318.6	263	161.75
Tr. digitalis	244		_	185.25

The Martindale figures are taken from "The Extra Pharmacopœia," Vol. II.

Differences of Usage

In compiling this table some interesting differences of usage have been noticed. Ammonium carbonate, which would have shown the high figures 551 and 331

in columns one and three respectively, does not occur in the latest New York statistics, though it is official in the United States Pharmacopæia. A similar observation applies to chloroform water, extract of nux vomica, compound infusion of gentian, solution of morphine hydrochloride and solution of strychnine hydrochloride. The New York survey, like our own of 1886, includes proprietaries; the total number of items noted in 1932 is 2,017, approximately 504 in 10,000 prescriptions, whereas the $C. \Leftrightarrow D.$ list, at a rough computation, extends to 960 items for the same number of documents. In this country, forty-six years ago, the six medicines most frequently prescribed were:—

Spiritus chloroformi	 853	times
Potassii bromidum	 717	, ,
Vinum ipecacuanhæ	 696	,,
Spiritus ammoniæ aromaticus	 566	,,
Quininæ sulphas	 563	,,
Sodii bicarbonas	 555	,,

In New York State, this year, the six remedies most in use (omitting distilled water) are:—

Codeinæ sulphas	 487.5 times
Sodii bicarbonas	 337.0 ,,
Tinctura nucis vomicæ	 296.5 ,,
Acidum acetylsalicylicum	 283.25 2,
Glycerinum	 274.0 ,,
Elixir pepsini compositum	 251.5 ,,

The first five of these substances are official, and the sixth is in the National Formulary. We notice that "Prescriptions by Special No." figure to the extent of 41.25 per 10,000 in the American list, thus detracting from the completeness of the results.

Changes in Prescribing

Considerable analysis of data would be needed before a satisfactory distinction could be made between differences due to the passing of time and differences inherent in the medical prescribing of the respective countries. Prescriptions for opium, its preparations and its alkaloids, are a case in point. Adding together as well as we can, from the figures before us, the occurrences of opium and everything derived from it (including compound tincture of camphor), we find that our own list of the year 1886 contains 1,241 entries, that of Ebert 1,644, and the American Pharmaceutical Association list 1,401. These figures must be regarded as only an approximation, on account of the difficulty of deciding how many proprietary medicines contain opium or one of its derivatives. Assuming that they afford some guide to the actual facts, it is clear that the American total of the present year is to a great extent made up of salts of codeine, hypodermic tablets of morphine and so forth, whereas in 1886 codeine and its sulphate occurred only eighteen times in this country. Someone in search of a thesis for a doctorate might well explore these attractive sets of figures. We notice that of 2,017 items in the New York State survey, 1,584 occur less than ten times each and 787 only once. It will add to the interest of this admirable record if, when it is being completed, the number of preparations of each type is noted, as was the case in our analysis in 1886.

Kaolin in Pharmacy and Perfumery

(Concluded from C. & D., May 28, page 595)

Dentifrices

It is commonly stated that by far the best dentifrice is precipitated chalk; but, however true this statement was fifty years ago, it is by no means so widely accepted to-day, though the enormous sales of preparations consisting almost wholly of this substance show that it still retains great popularity. Kaolin alone is not a pleasant dentifrice, though an efficient one. Its sticky nature when wetted makes it adhere tenaciously to the teeth, so that persistent brushing is needed to remove it. This ought to be regarded as a distinct advantage, as it ensures a thorough cleaning of the teeth, but in these days of speed something must be added to the kaolin to hasten its removal. The most generally suitable additive is a good white curd soap, any flavour in which must be disguised by the addition of oil of peppermint, spearmint, or other strong flavouring. Dentifrices are of three kinds—powders, pastes and liquid; the liquids seldom contain kaolin and need not be further considered. Tooth powders may consist of a plain powder, such as kaolin or precipitated chalk, with or without a perfume, but some of the modern powders contain as much powdered soap as they do kaolin. Others contain very little soap. The flavourings vary: peppermint and spearmint are the most popular, but several perfumes are used also, oil of rose, oil of wintergreen and oil of rose, oil of clove, camphor and tincture of myrrh being largely used. Carbolic acid and thymol is also used as a flavour and antiseptic.

Typical of this class of tooth powder are:-

(α)	Kaolin	 	 	1 lb.
	Orris root	 	 	4 oz.
	White soap		 	1 oz.
	Flavouring		 	a sufficiency
(b)	Kaolin	 	 	1 lb.
, ,	White goom			1

The tooth-pastes are similar in composition, but usually contain more soap and less kaolin. They tend to dry and become useless, but by adding a small proportion of glycerin the product is sweetened and the hardening is prevented. Simple syrup is used instead of glycerin, but it is useless in preventing the paste from drying. This matters little if the paste is kept in collapsible tubes. Indeed, the use of these tubes has greatly facilitated the manufacture of tooth-pastes, as water can be used successfully instead of glycerin when collapsible tubes are employed. A little glycerin is, however, an advantage. There are so many recipes for tooth-pastes available that it is invidious to select only one. The following is, however, satisfactory:—

 Kaolin
 . 100 parts

 White soap
 . 20 parts

 Tincture of carmine
 . 2 parts

 Glycerin
 . 5 parts

 Rose water
 a sufficiency

The paste must be rather soft or the tubes cannot be properly filled. Oil of peppermint may be used if a stronger flavour is desired.

Kaolin as a Vehicle for Oils

Kaolin absorbs essential oils so powerfully, forming an adhesive paste, that it is used as the basis of several preparations used in the treatment of rheumatism and in relieving various kinds of pain A colloidal preparation of iodine in parafin oil, mixed with kaolin, is said to be an excellent means of applying this medicament.

Another pain-subduing paste consists of: -

Kaolin			 20 parts
Tincture	of capsicu	m	 20 parts
Tineture	of campho	г	 4 parts
Solution	of ammoni	8	 1 part

Soaps

Kaolin, like some other varieties of clay, has a curious detergent power. This is utilised in several "grease removers," and many engineers keep a little clay handy, as a simple means of removing greasy dirt from their skins. Some of the more plastic clayssuch as the ball clays-are more powerful detergents than the kaolins, but the latter are the more frequently used. This detergent quality also enables kaolins to be added in very large proportions to soaps of various kinds without noticeably altering the appearance of the latter. The manufacture of soap must nowadays be on so large a scale that individual pharmacists and manufacturing chemists seldom attempt it. There is, therefore, no need to describe in detail the means whereby kaolin is incorporated with soaps. One fact should, however, be made clear: the addition of kaolin is not for the purpose of adding an abrasive (as when silica flour is used); the kaolin has a high adsorbent power and so detaches the dirt from clothing, etc., in the same manner as soap, and as kaolin can be obtained at one-twentieth of the price of soap it is very useful for cheapening soaps without unduly reducing their cleansing properties.

Kaolin as an Internal Medicine

Kaolin as a medicine is preferably used in the colloidal form, as this ensures the absence of sharp, irritating particles of quartz and mica, which easily damage the intestines; the use of colloidal kaolin also ensures that the maximum absorptive power is present. It is also advantageous because colloidal kaolin has a specific precipitating action on most bacteria—the kaolin being charged electro-negatively and the bacteria electro-positively. Hence, colloidal kaolin is invaluable in the treatment of intestinal bacterial diseases, such as colitis, alimentary toxæmia, diarrhæa, dysentery, and acute enteritis. Colloidal kaolin is so powerful that it retains in an insoluble form many toxins which would otherwise pass from the alimentary canal into the blood stream, so that its use is indicated in cholera, rheumatism, neuritis and other diseases of a toxic nature. It has a further prophylactic use, inasmuch as it changes the intestinal flora—retaining and rendering inert the proteolytic bacteria without interfering with the aciduric type essential to the proper functioning of the lower intestine. In preparing kaolin for inter-nal medicinal use it is essential to remove all coarse particles and to produce a material which remains in suspension in distilled water for at least a week. In some hard waters it may be flocculated almost immediately and will then quickly settle and be useless. Several attempts have been made to supply a fine-grained china clay or kaolin when a colloidal kaolin is required. This is a form of substitution which may have very serious consequences, and every care should be taken to avoid it. There is a very great difference in properties and value between the finer particles of haptoperries and value between the infer particles of kaolin separated by a fine sieve or by elutriation and those which are in the colloidal state. Care must also be taken to ensure that kaolin for internal use is sterile; failure to observe this precaution has led to several painful deaths. The substitution of other clays for kaolin should also be avoided; they tend to form clots or balls which cannot pass through the intestines and to form a plastic adherent coating which cannot be removed. Colloidal kaolin is free from these objections and is quite safe in use. Externally, kaolin is used as an absorbent for exponential manufacture. used as an absorbent for suppurating wounds. It is applied either dry or in the form of a paste and is usually held in position by a bandage. It is also very convenient in cases of slight incontinence and of weakness of the sphincter muscle. Small quantities at a time are employed in impetigo and similar sores.

Miscellaneous

Among the miscellaneous uses of kaolin are: as dusting powders, as a powder for relieving perspiring feet, as a filler for paints and other articles consisting of a colour or pigment distributed through a vehicle or medium, and generally where a very fine, white powder is required which has no objectionable effects on the substances with which it comes in contact.

The preparation of pessaries and boluses with kaolin as a basis should form part of the training of every pharmacist, and so need not be described here. Too little care is often taken to use a kaolin free from grit. This may have serious consequences, as the gritty particles have sharp cutting edges and the laceration caused by them may induce septicæmia. If properly

elutriated and grit-free kaolin is used, these unfortunate sequellæ cannot occur.

As a substitute for limewash kaolin has the advantage of greater adhesion as well as greater covering power, but it must not be applied too thickly or it will crack and "scale off."

The uses of kaolin in various branches of industry increase every year; in this article only those uses of direct interest to chemists and druggists have been mentioned. The fact should not be forgotten, however, that thousands of tons of kaolin are used annually in the production of glossy paper, that smaller quantities, yet of marked importance, are used in the manufacture of lead pencils and coloured chalks, and that in many unrecognised ways kaolin enters into the everyday lives of all in a manner which would interest many chemists to search out for themselves.

Shopfitting as an Art

By Antiquus

HE article on shopfitting in The Chemist and Druggist of June 4 (pp. 610-14) contains much material to interest the average pharmacist who spends the greater portion of his existence behind his counter. This condition warrants the surroundings being of a pleasing and—may I say?—comforting type; any irritating feature jars, and there is already enough of nerve-racking in pharmacy. I have always pleaded for artistic shopfittings wherever the circumstances of business will permit of the expenditure. Obviously, an expenditure and a style which might be in keeping with Mayfair would be out of place in Stepney or near the pit-mouth. Further, I am not an advocate for alteration or "bringing up to date" just for the sake of modernising; indeed, an old pharmacy with any particular feature is usually better left intact.

My fad in shopfitting is for "timber," not metal;

My fad in shopfitting is for "timber," not metal; but I must go with the days, and metal can be used in a truly artistic sense. Another fad is to have all the pharmacy upon one floor, divided into three parts consisting of counter space, dispensary, and manufacturing, packing and storage space. The reasons for this tripartite division are many, the main one being the saving of physical weariness caused by running up and down stairs. The illustration of a pharmacy front on p. 611 offers a splendid example of window for mass display; but I am more attracted by the ideas embodied in the quadripartite division (p. 613) as offering the most economical method in window dressing. One window should generally be kept for "drug" displays, neatly and quietly labelled; such publicity will bring its reward, for this generation does not learn about drugs and chemicals from pharmacists, but from the herbalists and drug stores.

The Top Shelf

Perhaps the greatest trouble in the appointments of the pharmacy is what to do with the space which extends above the fixtures to the ceiling. What monstrosities have found a location in this area—often too small to call a space! Packages of willow and other boxware in various stages of untidiness, here and there a showcard, a cracked display jar; indeed, anything which required to be out of the way, giving an appearance which is little short of neglect. My idea of wall treatment for the interior (6), p. 613, would be a simple design in lincrusta or similar wall material, and the top of the fitting made in such a way as to carry an interesting old pharmacy jar, or anything of an artistic or historic kind which would indicate pharmacy as a cult. It is surprising how much such simple features of our craft are of interest to many customers. The general fittings of the pharmacy should never be used for storage purposes; such a policy looks (and is) bad taste. A useful adjunct to window attraction consists of large botanical specimens mounted on cardboard, or, if needed, upon sheets showing the plant in two or three aspects; the soapwort, for example, lends itself well to this kind of demonstration.

Reflections on Economy

By Manufacturer

HE editorial article on "Economy" in a recent issue of The Chemist and Druggist, and the remarks of "Xrayser" upon it, are particularly pertinent regarding the waste of time indulged in by many chemists to-day. An outsider often sees what those who are playing the game cannot see, and wholesalers are often in a position to glean information of the business methods of many retail chemists indicating that all is not well with some pharmacists and that waste of time and money is the result.

and that waste of time and money is the result.

In London, and any provincial town or city where there are wholesale and manufacturing chemists who deliver frequently by motor, the following practice is rapidly growing. Just sufficient stock of the majority of proprietary medicines, as well as of many drugs, is kept, so that if the stock is sold it can be replaced the next day, or, in many instances, on the same day. In a general sense this may be regarded as sound business from the retailer's standpoint, as he keeps his stock down to a minimum and it is fresh. But the practice can be, and is being, overdone. A retail chemist has a customer who is using a certain food and is purchasing a tin a day. He will ring up the wholesaler every day for this tin, although he could quite as easily order half a dozen 'phone calls, half a dozen checked invoices, half a dozen entries in the bought day-book, half a dozen entries in the ledger, to say nothing of the six invoices and their copies the wholesaler has to make, nor the six motor deliveries, nor the checking and counter-checking in the warehouse. This is a state of affairs that has no doubt been fostered by the wholesaler who delivers several times a day, but it is a wasteful business as well to the retailer, who often declares, and quite rightly, that proprietaries do not pay. How can he expect them to when purchased under such conditions?

Wasteful Methods of Buying

Other wasteful methods of buying are common. It will scarcely be credited by many of the older school of pharmacists that orders are received to-day by wholesale houses for such a line as "a corbyn of solution of carbolic acid, I in 20." The job can be done in the pharmacy almost as quickly as writing the order, and yet many men are so lazy that they will not take the trouble to measure out the carbolic acid and shake it with the aq. dest. I A pharmacist rang up the other day to know if 5 gr. of cocaine hydrochloride in 3 oz. of water constituted a "dangerous" drug. He apologised for troubling, but he had lost his C. & D. Poisons Card. The practice is growing with many pharmacists of sending tricky or difficult scripts to a wholesale house for dispensing. Either they cannot do the work or they will not take the trouble. Pills containing zinc valerianate are frequently sent. These instances can be multiplied by the staff of any wholesale house. Pharmacists have been spoon-fed too long. It is time they decided to scratch about for themselves.

Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist & Druggist,' 28 Essex Street, London, W.C.2."

Report on the May Observation Exercise in Chemical Analysis

This exercise was set with the intention of enabling students to test their powers in observing, describing and interpreting the various points to be noted in the course of the preliminary examination of an unknown substance. Incidentally, it was calculated to emphasise the fact that important obtainable information may be missed when preliminary tests are omitted or not sufficiently carefully applied and observed. The identification of the single salt distributed was almost unavoidable when a moderately complete set of preliminary tests was applied, and hence only little credit could be given for correctly reporting the salt to be additionally undertaken since the beginning and the acidic sodium acetate, since the basic radical and the acidic radical present were proclaimed by certain of these tests.

Under the following headings, A to K, there are given twenty-eight items which might reasonably be looked for in the report of a fairly comprehensive preliminary examination of the salt, by means of tests, all of which are of a general description and for which

marks were obtainable:-

A.—General characters:—(1) Colour; (2) Crystalline; (3) Odour.

B.—Solubility:—(4) In water, freely; (5) Reaction of

aqueous solution to litmus.

C.—Gradual heating on a fragment of porcelain or in a silica spoon (in presence of abundant supply of air):—(6) Fusion; (7) Ebullition; (8) Dry colourless solid left; (9) Dry solid melting to a colourless liquid; (10) Charring; accompanied by (11) Evolution of inflammable products; a residue being left which is (12) Black; (13) Alkaline; and (14) Effervesces with acids.

D.—Heating in sublimation tube (supply of air limited and decomposition products partly confined).
Additional to observations under heading C; (15)
Reaction of condensed water to litmus. Vapours Reaction of condensed water to litmus. Vapours given off during charring; (16) Odour; (17) Reaction to litmus; (18) Test for carbon dioxide.

E.—(19) Flame coloration.

F.—(20) Heating on charcoal; (21) Re-heating with cobalt solution.

G.—Bead tests:—(22) Borax; (23) Sodium carbonate and potassium nitrate or chlorate.

-(24) Heating with dilute sulphuric acid.

1.—(25) Heating with concentrated sulphuric acid.

J.—(26) Heating with dilute sulphuric acid and potassium permanganate.

K.—Heating with solution of sodium hydroxide; (27 Evolution, or non-evolution, of ammonia; (28) Change, or absence of change, of colour.

In connection with No. 3 in the foregoing, it may be noted that there was a faint odour of acetic acid when the crystals were freshly ground, but this was scarcely recognisable later. Nos. 6 to 18, under headscarcely recognisable later. Nos. 6 to 18, under neadings C and D, included points which students should have most minutely observed and carefully reported upon. Heading K, including Nos. 27 and 28, marked about the limit of the usual preliminary tests, which could properly be regarded as general. Special tests, applied for the purpose of detecting particular metallic or acidic radicals, were not regarded as preliminary observation tests falling within the scope of the exercise as set and were not awarded marks. as set and were not awarded marks.

An analysis of the items actually reported is interesting, and may be suggestive and of value to students in general as well as to those who sent in reports. Items Nos. 1 and 2 were returned by all of the seven competitors from whom reports were received: Nos. 6 and 19 by six; Nos. 4, 5, 24, 25 and 27 by five; Nos. 7, 8, 10, 20 and 22 by four; No. 28 by three; Nos. 3, 11 and 23 by two; Nos. 9, 15, 18 and 21 by one; while Nos. 12, 13, 14, 16, 17 and 26 were not mentioned in any case. All competitors are urged to consider the items upon which they did not report.

The marks awarded for the various tems averaged

nearly four, but they were not quite the same for each item.

PRIZES

The First Prize for the best report has been awarded

James F. Cook, Katepwa, Bonnyrigg, Midlothian.

The Second Prize has been awarded to:-

JANET THOMSON, 5 South Clerk Street, Edinburgh.

First Prize.—Any scientific book that is published at a price not greatly exceeding fifteen shillings may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about seven shillings and sixpence may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the publisher, naming the book or books they select.

Marks Awarded for Reports

	Numb	er of Items	
	for w	hich Marks	
	were	Awarded	Award
J. F. Cook (1st Prize)		15	54
Janet Thomson (2nd Priz	e)	14	54 48
J. B. Dunnett		13	45
Cobholm		12	39
Nyasa ,		ΙΙ	37
Hope		10	31 28
G. H. Harrison		9	28

To Correspondents

J. F. Cook.—No award was made for a report on the taste of the salt, this being a "test" of which we do not approve. Evolution of oxygen could scarcely be expected to accompany charring. Note that acetates do not char when heated with concentrated sulphuric

J. B. Dunnett.—Note the remark in the preceding

reply about charring and evolution of oxygen.

HOPE.—If you succeeded in getting the vapour evolved during the heating with concentrated sulphuric acid to burn with a blue flame, the latter would be due to the combustion of acetic acid, not of carbon monoxide. There was no blackening of the mixture on prolonged heating with the acid. Read the last sentence of the reply to J. F. Cook.
G. H. Harrison.—Some foreign material must have

found its way into that portion of the solution of the salt which gave a dense white precipitate with barium chloride. Are you quite sure that the solution had not been acidified with sulphuric instead of hydrochloric acid?

*** The competitions in this column are now discontinued until October,

Jessen's fluid is the name given by N. M. Munro ("British Medical Journal," 2716, 556) to a solution consisting of iodine 1, potassium iodide 2, distilled water 40; 5 c.c. of this solution is added to a litre of sterile water at 37° C. for washing out the pleural cavity.

A CURE FOR COLDS.—"The Morning Post" gave recently the following report of a speech at the Duchess Theatre, London, W.C.2, by a Mr. Komai from Japan. "Twenty years ago in Japan," he said, "I would have a headache one day, then the next trouble in my honourable inside, as you call it, endless troubles. Then I saw some Buddhist priests, who eat no meat, fish, or eggs, and as I did not like to pay doctors' bills I took to sitting and meditating. And I have never had one cold during my twenty years in England. Become a Buddhist and you will never catch cold. But you must remember to wear a kimono."

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, June 9

IN a few directions there is evidence of a little more business moving and generally the tone is hopeful and steady. Financial restrictions continue to limit export business, particularly to the Continent and the East. The demand for pharmacteutical chemicals continues steady on recent limited lines. There is in most products keen competition, and not a few of the Convention articles are being discounted at the moment phenazone and phenacetin being instances. Makers of Rochelle salts have made a substantial reduction in their prices. The cheapest offers of Continental caffeine and theobromino have been withdrawn. In the crude drugs markets business has been very moderate, but prices are keeping fairly steady. Japanese camphor and menthol are dull but maintained at former rates. Spanish ergot is inclined to be dearer. Gum acacia is dull. Spot supplies of grey Jamaica sarsaparilla are scarce, and native, mixed colours, is also in short supply; the spot market is dearer and firm. Shellac is easier and slack. A fairly satisfactory business is being done in essential oils and the turnover would be even better if the position as regards liability to import duty of a number of products was not so indefinite. Sicilian orange is steadier and receiving more inquiry. Japanese dementholised peppermint is neglected on spot and shipment is a point easier. Bourbon geranium is firm at higher rates. Ceylon citronella is rather easier, and, with Java, has been rather quiet. Cayenne bois de roso is scarce on spot and shipment prices for Brazilian are dearer. Business in fixed oils is disap ointing, and further reductions in values of eastor, coconut, and groundnut are recorded. Palm oils are steady at low figures and linseed oil and turpentine, although quiet, are unclanged.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	June 9	Value of the £
Brussels Copenhagen Lisbon Madrid Milan Milan Montreal New York Oslo Paris Prague Stockholm Warsaw	FI. to £ Mks. to £ Belga to £ Kr. to £ Esc. to £ Esc. to £ Lire to £ Dol. to £ Fr. to £ Kr. to £ Kr. to £ Fr. to £ Kr. to £ Fr. to £ Fr. to £ Fr. to £	18.159 110 25.22½ 92.46 4.86¾ 4.86¾ 18.159 124.21 164.25 18.159	9,07 15,47½ 26.32½ 118% 110 44½ 71½ 4.28½ 20,05 99% 124 19½ 33 18.77½	15/0 15/2 15/04 20/1½ 20/- 35/11 15/3¾ 17/7½ 15, 1½ 22/1 15/- 15/- 15/10½ 21/5½ 15/2 14/10¾

Bank rate 21 per cent.

Pharmaceutical Chemicals, etc.

A MODERATE business mostly in limited quantities and at keen prices is being done, and the market is steady on quotation. Price cutting is prevalent in a number of Convention products. Rochelle salts have been substantially reduced. Salicylates are steady and in fair demand.

ACETANILID is quoted unchanged with business quiet: B.P. crystals and powder, 1s. $5\frac{1}{2}$ d. to 1s. 8d. per lb., as to quantity.

AMIDOL.—A fair inquiry is being received; market steady: 56 lb., 7s. 3d.; 28 lb., 7s. 6d.; 14 lb., 7s. 11d. per lb., in 7-lb. tins.

Anidopyrin.—Dealers are finding business quiet and competitive: crystals, five ewt., 17s.; two cwt., 17s. 3d.; less than two cwt., 17s. 8d. per lb., with powder 2d. per lb. extra.

Ammonium benzoate.—Spot is quoted at about 3s. 4d. to 3s. 6d. per lb., as to quantity.

ASPIRIN.—Business is well up to average, and prices quoted by makers and doalers are well maintained; home trade: ten cwt., 2s. 7d.; five ewt., 2s. 8d.; one cwt., 2s. 8d. 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s.; 1 lb., 3s. 4d. per lb. Export to Colonies and British Possessions: ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d. per lb., f.o.b.; less than one ewt., 2s. 9d. per lb., ex works.

Barbitone.—Quoted prices are maintained with somo sellers at less: two cwt., 10s. 7d.; one cwt., 10s. 8d.; 56 lb., 10s. 10d.; smaller lots, up to 11s. 3d. per lb.

Benzoic acid (B.P.).—Business has been fair with keen prices prevailing: quantities, ex works, 1s. 10½d.; spot parcels, 1s. 11d. to 2s. per lb. ex store, as to quantity.

BROMIDES.—A moderate business is moving with home makers and dealers quoting about level figures: ammonium. not less than five cwt., 1s. 8d.; one cwt., 1s. 9d.; smaller quantities, 2s. per lb.; potassium, B.P. crystals and granular, not less than five cwt., 1s. 5d.; one cwt., 1s. 6d.; smaller quantities, 1s. 9d. per lb.; sodium, B.P., not less than five ewt., 1s. 7d.; one cwt., 1s. 8d.; smaller quantities, 1s. 11d. per lb. Special prices for bulk quantities.

CALCIUM LACTATE continues in modest demand with the market steady: spot, 1s. 2d. to 1s. 5d. per lb., as to quantity.

CHLORAL HYDRATE.—Home makers' prices are fully maintained; duty-paid erystals, in 14-lb. containers, ten ewt., 3s.; five cwt., 3s. 0½d.; one cwt., 3s. 1½d.; 56 lb., 3s. 2½d.; 28 lb., 3s. 3d. per lb., and in 28-lb. jars one penny per lb. extra.

Chloroform.—Home makers' prices for this market are steady: in drums, 2s. 3d. to 2s. 6d.; winehesters. 2s. 3½d. to 2s. 6½d.; 2-lb. bottles, 2s. 4½d. to 2s. 7½d.; 1-lb. bottles, 2s. 5½d. to 2s. 8½d.; 8-oz. bottles, 2s. 6½d. to 2s. 9½d.; 4-oz. bottles, 2s. 8½d. to 2s. 1½d.; 6r ten ewt. down to 56-lb. lots, carriage paid on minimum ewt. lots.

CITRATES.—Makers' prices are steady, as follows: potassium citrate, B.P., 1s. 7d.; sodium citrate, B.P.C. 1923, 1s. 8d.; ferri ammon. cit. B.P. (brown), 1s. 9d. per lb., in 28-lb. lots; 7-lb. lots, 5d. per lb. dearer.

CITRIC ACID (B.P. CRYSTALS).—Home makers' quotation for this market is 1s. 1d. per lb., less 5 per cent. discount, nominal, and without engagement. Dealers are offering at competitive prices.

COCAINE.—Makers' prices for this market are unchanged. Prices for export vary as to destination: hydrochloride, 25 oz., 20s. 11d.; 16 oz., 21s. 7d.; and less, 22s. 3d. per oz.; pure, 25 oz., 22s. 11d.; 16 oz., 23s. 8d.; less than 16 oz., 24s. 4d. per oz.; 1-oz. tins, 2½d. extra.

CREAM OF TARTAR.—British makers' price for 99 to 100 per cent. is unchanged at 104s, per cent., less 2½ per cent. discount, nominal and without engagement. Dealers are offering at competitive prices.

ETHER (METHYLATED).—Home makers' prices are as follows: s.g. 0.750, 1s. 1½d.; 0.735, 1s. 2d.; 0.730, 1s. 2d.; 0.725, 1s. 4d. per lb., in w-quarts; 12 w-quarts, halfpenny less, and packed in drums or carboys 1d. less.

GUATACOL CARBONATE.—A limited business is being done at keen prices on spot: five cwt., 7s. 6d.; two cwt., 7s. 9d.; one cwt., 7s. 10d.; small quantities, up to 8s. per lb.

Hexamine.—A very fair business is moving but prices for good quantities are very keen: free running erystals, spot, from 2s. $3\frac{1}{2}$ d. to 2s. 8d. per lb., as to quantity.

Hydroquinone.—Dealers' prices are steady and business is fairly good: ten cwt., 4s. 8\frac{3}{4}d.; five ewt., 4s. 9\frac{1}{2}d.; two cwt., 4s. 10\frac{1}{2}d.; one cwt., 4s. 10\frac{3}{4}d.; 56 lb., 4s. 11\frac{3}{4}d.; 28 lb., 5s. 1\frac{3}{4}d.; 14 lb., 5s. 3\frac{1}{2}d.; 7 lb., 5s. 5\frac{1}{2}d.; 1 lb., 6s. per lb., carriago paid.

LACITE ACID (B.P.) continues in steady demand with dealers' and makers' prices competitive: bulk quantities, in earboys, 1s. 5½d. to 1s. 6d. per lb.; smaller quantities,

in demijohns and winchesters, 1s. 7d. to 1s. 8½d. per lb., carriage paid.

METHYL SALICYLATE (B.P.).—A fair business is moving and the market is holding quite steady: one ton and over, 1s. 4½d.; ten cwt., 1s. 5d.; five cwt., 1s. 5½d.; one cwt., 1s. 6d.; less than one cwt., 1s. 6½d.; small quantities in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Dealers' prices for spot supplies are very steady; business slow: two cwt., 18s.; one cwt., 18s. 6d.; 56 lb., 19s. 2d.; small parecls, 19s. 6d. per lb.

Metol.—A limited business is being done with prices unchanged: 56 lb., 9s. 3d.; 28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 9d. per lb., in tins, bottles extra. Wholesale distributors' prices for small quantities in bottles at higher prices.

Milk Sugar.—Continental material is quoted at keen prices for good sized parcels: one ton, 54s.; ten cwt., 55s.; two cwt., 56s. 6d., per cwt., in two-cwt. cases.

MOLYBDATES.—There is no further change in makers' prices: molybdic acid, 28 lb., 5s. 3d.; 7 lb., 5s. 6d.; smaller quantities, 5s. 9d. per lb.; ammonium molybdate, 28 lb., 5s.; 7 lb., 5s. 3d.; smaller quantities, 5s. 6d. per lb. net, packages extra. Special prices for contracts and bulk quantities.

MORPHINE. - Makers' prices are as follows: -

	Under 5 oz.	5 oz. and over assorted	For 100 oz. assorted contracts over 6 months	For 250 oz. assorted contracts over 6 months
Morphine: alkaloid precip	oz.	oz.	oz,	oz.
meconate	23/2	22/1	21/7	21/1
tartrate (neutral) acetate hydrochloride powder sulphate	18/8	17/10	17/4	16/10

Fall clause for contracts of 100 oz. and over.

Paraformaldehyde is moving fairly well at keen prices for quantities: 100 per cent. powder, quantities in kegs, 1s. 2d.; smaller pareels up to 1s. 5d. per lb.

Paraldehyde is rather quiet but the market is steady; bulk quantities, in carboys, 1s. 1d. to 1s. 1½d.; in winchesters, 1s. 4d.; smaller quantities up to 1s. Ed. per lb.

PHENACETIN.—Business is slow and cheap offers continue to spoil the market: crystals, ten cwt., 5s. 1d.; five cwt., 5s. 2d.; two cwt., 5s. 4d.; and less, 6s. per lb., with powder 2d. per lb. extra.

PHENAZONE.—Cheap spot offers are on the market, while business has again been poor: crystals, ten cwt., 9s.; five cwt., 9s. 3d.; two cwt., 9s. 5d.; and less, 9s. 9d. per lb., with powder 2d. per lb. extra.

Potassium permanganate (B.P.) meets with a steady demand with former rates well maintained: bulk quantities in drums, $8_{7}^{2}d$. to 9_{4}^{3} . druggists' parcels, $9_{4}^{4}d$. to $9_{2}^{8}d$. per lb., as to quantity.

POTASSIUM SULPHOGUAIACOLATE is irregular on a dull market: spot. 4s. 8d. to 5s. per lb., as to quantity.

Pyrogallic acid.—There is no change in makers' prices: one cwt., 6s. 9d.; 56 lb., 7s.; 28 lb., 7s. 3d.; 14 lb., 7s. 9d.; 7 lb., 8s. 6d. per lb., in 7-lb. tins.

QUININE SULPHATE.—The Convention price is unchanged at 2s. 3d. per oz., carriage paid on bulk quantities.

RESORCIN.—The market is about unchanged and quict: crystals, one cwt., 4s. 6d.; 56 lb., 4s. 7d.; 28 lb., 4s. 8d.; 14 lb., 4s. 10d.; 7 lb., 5s.; less than 7 lb., 5s. 6d. per lb., with powder 3d. per lb. extra.

ROCHELLE SALTS.—Makers' notify substantial reductions in their scale of prices, as follows: powder, five cwt. and over, in one delivery, 82s. 6d.; less than five cwt., 85s.; less than one cwt., 87s. 6d. per cwt.; crystals, 2s. 6d. per cwt. cxtra. Pulv. seidlitz., five cwt. and over, in one delivery, 66s. 3d.; less than five cwt., 68s.; less than one cwt., 70s. per wt. Double seidlitz., five cwt. and over, in one delivery, 73s. 3d.; less than five cwt., 75s. 6d.; less than one cwt., 77s. 6d. per cwt. Quoted without engagement; special prices for quantities and contracts. Previous alteration in prices, March 31, 1932.

SACCHARIN is unchanged with 550 1 lb., 37s. 6d. per lb., duty paid, with rebates for quantities.

Salicylic acid (B.P.).—Makers' prices for this market are steady: one ton, 1s. 5d.; ten cwt., 1s. 5dd.; five cwt., 1s. 6d.; one ewt., 1s. 6dd.; small parcels, up to 2s. per lb.

SALOL.—Spot prices in sterling are unchanged; business is quiet: crystals, two cwt., 5s. 22d.; one cwt., 5s. 42d.; 56 lb., 5s. 6d.; smaller parcels, 5s. 7½d. per lb.; powder, 2d. per lb. extra.

SODIUM BENZOATE (B.P.) is moving in limited quantities at keen prices: spot, bulk pareels, 1s. 74d. up to 2s. per lb. for small lots.

SODIUM DIETHYLBARBITURATE remains dull with dealers' prices about unchanged: one cwt., 12s. 8d.; 56 lb., 12s. 11d.; 28 lb., 13s. $1\frac{1}{2}$ d.; 14 lb., 13s. 3d.; smaller quantities, up to 13s. 9d. per lb.

Sodium salicylate (B.P.).—Business is fairly good and the market is quite steady; makers and dealers quoting at level figures: home trade, powder, two tons, 1s. 10d.; one ton, 1s. $10\frac{1}{2}$ d.; ten ewt., 1s. 11d.; five cwt., 1s. $11\frac{1}{2}$ d.; one cwt., 2s.; 28 lb., 2s. 1d.; 14 lb., 2s. 3d. per lb., with crystals 1d. per lb. extra.

SULPHONAL.—Dealers' spot prices are very steady; business small: crystals, two cwt. 14s. 6d.; one cwt., 14s. 11d.; 56 lb., 15s. 3d.; small parcels, up to 15s. 9d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—A fair seasonal business is being done with home makers quoting Is, 1d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are offering at competitive prices.

Thymol.—Occasional business is being done with quoted prices rather unsteady: synthetic, fine white, one cwt., 5s. 10½d.; 56 lb., 6s.; 28 lb., 6s. 1½d.; 14 lb., 6s. 3d. per lb.

Vanillin.—Convention prices are steady and there are very few cheaper offers on the market: cx guaiacol, one ton, 14s. 3d.; ten cwt., 14s. 6d.; five cwt., 14s. 9d.; three cwt., 15s.; one cwt., 15s. 3d.; 56 lb., 15s. 6d.; 23 lb.. 15s. 9d.; 14 lb., 16s.; less, 16s. 3d. per lb.; ex clove oil, 16s. to 18s. per lb., as to quantity, from one ton to less than 14 lb.

Crude Drugs, etc.

Aconite Root.—The market is steady. Japanese, 62s. 6d. per cwt. Napellus, 72s. 6d. per cwt.

AGAR-AGAR.—Business on spot has again been negligible. Kobe No. 1, 3s. 4d., No. 2, 3s. $1\frac{1}{2}$ d.; Yokohama, No. 1, 3s. $1\frac{1}{2}$ d. per lb.; shipment, Kobe No. 1, 2s. 4d.; No. 2, 2s. $1\frac{1}{2}$ d.; Yokohama, No. 1, 2s. $1\frac{1}{2}$ d. per lb., c.i.f.

ANTIMONY.—The market is steadier and quotations are maintained. Chinese oxide, spot, £27, shipment, £19 c.i.f. Chinese crude, spot, £16. shipment, £13 c.i.f.

BALSAMS.—A limited business in smallish quantities of *Tolu* is being done with the quoted price about 3s. 5d. per lb.

BELLADONNA.—Leaves are quoted slightly cheaper at about 75s. per cwt. Root is unchanged at about 60s. per cwt. spot.

Buchu.—The small shipment figures for the first three months of this year support the reports of the shortage of the crop gathered. A steady business in lots of a few bales has been passing and prices are being well maintained. Spot, fair ovals. 8_4^4 d, to 8_2^4 d, per lb.; rounds, 10_2^4 d, to 1s. per lb., for yellow to fair green.

Exports from South Africa for the period January-March 1932 totaled 45,122 lb., valued 876 waarde, compared with 94,153 lb., valued 2,863 waarde, for the same period of 1931.

BURDOCK ROOT.—Dealers are quoting spot supplies in the region of 40s. per cwt.

CAMPHOR.—Business has been unimportant during the past week, but prices are about unchanged. Japanese, spot slabs, 2s. 5d.; flowers, nominal; tablets. 3s. 1½d. per lb.; shipment, slabs, 1s. 10¾d.; flowers, 1s. 11½d.; tablets, 2s. 4¾d. per lb., c.i.f. English refined is at last week's reduced prices: flowers, one cwt., 3s. 1d.; 23 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ½ oz., and ½ oz., 3s. 6d. per lb.; special prices for contracts for quantities.

CASCARA SAGRADA.—The demand on spot is limited with the price steady at about 52s. 6d. per cwt. Shipment, 1932 peel, 42s, per cwt. c.i.f.

CHAMOMILES.—A very fair demand continues with the market steady at previous rates; spot, 117s. 6d. to 132s. 6d. per cwt. as to colour.

CLOVES.—Business has again been rather slow but prices are holding fairly steady. Zanzibar, spot, 7½d.; shipment. June-August, 6¾d.; August-October, 6¾d. per lb. c.i.f. Madagascar, spot, 7¼d. per lb. sellers.

The landings of Zanzibar in London during the week ended June 4 were 25 and the deliveries 77, leaving a stock of 2.136, against 739 in 1931. From January 1 to date landings of Zanzibar have been 4,350, against 846 in 1931, and the deliveries 4,202, against 1,120 in 1931. Landings of Madagascar for the week ended June 4 were nil and the deliveries nil, leaving a stock of 1,601, against 962 in 1931. Landings of Madagascar this year to date have been 782, against 1,545 in 1931, and the deliveries 188, against 1,489 in 1931.

COCOA BUTTER.—The quotation for English is about unchanged at 9½d. to 10½d. per lb., as to quantity.

COCONUT (DESICOATED).—The market has been rather slack this week. Spot, fine, 24s.; medium, 23s. 6d.; shipment, halves, June-July, 19s. 9d. per cwt. e.i.f.

COD-LIVER OIL.—Finmarken fishing is now coming to an end, and only 650 hectol. of oil were produced last week, making the total for the season 91,764 hectol. Exports for this season total 33,000 barrels against 30,000 at the same time last year. Market is steady but rather subdued, with finest Lofoton steam refined, non-freezing medicinal oil at 84s. per barrel, e.i.f. Spot, about 102s. 6d. per barrel, ex warehouse, duty paid.

Damiana leaves.—The spot market is unchanged at about $10\frac{1}{2}$ d. per lb.

DIGITALIS LEAVES.—Spot supplies are available at about 50s. per cwt.: business has been limited.

ERGOT.—Spanish is rather dearer at a minimum of 2s. 3d. per lb., spot. Portuguese, 2s. 1d. per lb., spot. Russian is quoted as follows: less than ten cwt., 1s. 9d.; ten cwt. to one ton, 1s. 7½d.; one ton and over, 1s. 6½d. per lb., ex warehouse, duty paid; for export, a rebate of 1¾d. per lb. on the above scale, ex bonded warehouse. Markets are rather dull.

GELATIN.—Dealers' prices are steady and a fair business is being done: spot, gold leaf, 1s. 11d.; silver leaf, 1s. 9d.; bronze leaf, 1s. 6d.; thin leaf, 1s. 5d. per lb., in cwt. eases.

GINGER has not met with much demand this week. West African, spot. 23s. per ewt.; for arrival, 20s. 6d. per cwt. c.i.f., sellers.

Gum ACACIA.—This market has been dull, and is about unchanged. Kordofan, cleaned sorts, about 35s.: natural, 33s. 6d.; bleached, 75s. to 77s. 6d. per cwt. Shipment, Kordofan, eleaned sorts, 30s.; natural, 29s. per cwt., c.i.f.

HONEY.—A steady business of fair volume for the time of year has been done, and prices are well maintained. Spot, Jamaican, pale to white, 42s. 6d. to 44s.; medium, 36s. to 37s. 6d.; manufacturing qualities, 30s. to 32s. 6d. per cwt.

HYDRASTIS.—There is not much demand on spot, with the price remaining in the region of 4s. 6d. per lb.

IPECACUANHA.—The lack of good sized business is still noticeable. Matto Grosso is quoted at about 5s. per lb., and this might be discounted for bulk quantities. Minas, about 4s. 3d. per lb.

LAVENDER FLOWERS.—Good blue flowers are quoted at 120s. per cwt., spot.

LYCOPODIUM.—Dealers are offering spot supplies at about 5s. 6d. per kilo.

MANNA.—The market is steady as quoted for spot supplies at 4s. per lb. in 1-lb. tins.

MENTHOL.—The market is fairly steady but business is still very quiet: spot, K/S brands, 13s. 7½d. per lb., and loss for bulk quantities. Shipment, June July, 10s. 6d.; August-September, 10s. 6d.; October December, 10s. 4½d. per lb., c.i.f.

MERCURY.—The Spanish-Italian group advise their shipment price is nominal and a matter of negotiation: spot is quoted from £13 5s. to £13 10s. per bottle, as to quantity, ex warehouse, duty paid.

Orris roor.—Florentine is quoted at 55s. per cwt., and Verona at 50s. per ewt., spot.

PEPPER.—Although the market has been mostly quiet values quoted are maintained, and the market is steadier. Lampong, spot, 6\(\frac{2}{3}\)d.; shipment, June-July, 5d.; August-October, 4\(\frac{2}{3}\)d., e.i.f. Tellicherry, spot, 7\(\frac{2}{3}\)d.; Aleppy, spot, 6\(\frac{2}{3}\)d.; sellers. White Muntok, spot, 6\(\frac{2}{3}\)d.; shipment, May-July, 5\(\frac{5}{3}\)d.; August-October, 5\(\frac{5}{3}\)d. per lb., c.i.f.

PIMENTO.—Quoted prices show a further decline this week, and the market is dull: spot, 2¼d. per lb.; shipment, June-July, 19s. 6d. per cwt., c.i.f.

POPPY PETALS.—New crop red petals are quoted at 1s. 9d. per lb., to arrive.

PSYLLIUM SEED.—Spot prices are from 1s. 1d. for bulk quantities up to 1s. 3d. per lb.; forward quotations are slightly easier in view of new crop.

U.S. imports for the period January-March totalled 1,482,200 lb., valued \$187,600, of which France shipped direct 750,100 lb. (\$128,000) and India 464,800 lb. (\$28,000).

QUASSIA CHIPS.—Kiln dried are steady on spot at about 22s, 6d. per cwt.

QUILLAIA BARK.—Dealers are offering whole bark at 27s. 6d., and crushed at 35s. per cwt.

RHUBARS.—The market is quiet with previous rates quoted. Shensi, medium round, about 4s. 3d. per lb.

RUBBER.—The market has remained subdued with values remaining at low levels. U.K. stocks total 115,654 tons, compared with 139,173 tons a year ago. Standard ribbed smoked sheet, spot, 13d.; June, 13d.; July, 13d.; July-September, 12d.; October-December, 11d.; January-March, 1933, 14d.; April-June, 2d. per lb.

SAFFRON.—A small business is being done with dealers' prices steady: spot, prime B.P., 55s. 9d.; extra B.P., 50s. 9d.; extra B.P., 9d. per lb.; slightly less for bulk quantities.

SARSAPARILLA.—There has been a steady inquiry, and the market is firm. Grey Jamaica is scarce and fully 2s. 3d. per lb. Native, mixed colours, is also in limited supply, and in strong hands; quoted from 1s. 3d. per lb., spot. The market tends to harden.

SEEDS.—ANISE.—Spanish, 50s.; Bulgarian, 37s. 6d.; and Russian, 34s. per ewt., on spot. Canary.—Spot, Mazagan, 16s. 6d.; Tangier, 15s.; Kenitra, 14s. 6d. Linseed.—Mazagan, 15s.; and Morocco, 14s. 6d. on spot. Coriander.—Morocco, 1929 erop, quoted at 16s. 9d.: little more inquiry. Wormy, 15s. Cumin.—Morocco, 27s. 6d., spot; shipment quoted at 24s., e.i.f. Fenugreek.—Tunisian, 15s. 6d., spot; and Morocco, 14s. Caraway.—Dutch, on spot, 32s. for good quality. Mustard.—English, 21s. to 32s. 6d. per cwt., according to quality.

Senega.—Interest in spot offers is lacking, with the figure still about 1s. $7\frac{1}{2}d$. per lb. Shipment quotations are maintained.

SENNA.—There is a moderate call for supplies, and the market is fairly steady. Alexandrian finest selected handpicked pods are fully 5s. 6d.; a little more doing in medium and manufacturing qualities at previous rates. Tinnevelly pods are steady, with business in hand-picked fair; f.a.q. pods are quiet. Leaves are unchanged and steady.

SHELLAC.—The market is quoted easier, and is still dull and rather unsteady: spot, standard TN orange, 54s.; fino orange, 62s. 6d. to 122s. 6d.; pure button, 67s. 6d. per cwt.; for delivery, TN sellers, August, 46s.; October, 47s. 6d.; for arrival, TN sellers, June-July, 41s. 6d. per cwt., c.i.f.

SQUILL.—New crop prime white is quoted at about 20s. per ewt., c.i.f.

Wax (various).—Japanese, on spot, is unchanged at 52s. 6d. per cwt., and the market remains dull. Carnauba, fatty grey and chalky grey is at 70s.; medium yellow, steady, 140s.; fine yellow, 150s. Candellila is unchanged at 90s. per cwt.; Spermaceti, steady at 94d. per lb., spot; Paraffin is about steady from 22s. 6d. to 50s. per cwt. as to melting point. Ceresin is quoted from 35s. to 80s. per cwt. as to colour and melting point. Bees' is about unchanged, with the market dull; bleached, discs, £7 12s. 6d.; slabs, £7 7s. 6d.; yellow refined, £5 12s. 6d.; yellow crude, 97s. 6d. per cwt., spot.

Essential Oils, etc.

A STEADY business is being done in some products, and the market generally has shown a little more life. Prices are being fairly well maintained. Cayenne bois de rose is short on spot, and Brazilian is firmer. There has been a better demand for orange; Ceylon citronella is a point easier. Japanese peppermint is still very quict.

ALMOND meets with occasional business, with genuine s.a.p. about 8s.; sweet almond, 2s. per 1b.

ANISE (STAR).—There has been but very little interest shown this week; quotations are about unchanged: spot, "Red Ship," in leads, 2s. 1½d.; in tins, 2s.; in drums, 1s. 10d.; shipment, in leads, 1s. 7½d.; in tins, 1s. 6½d.; in drums, 1s. 5¾d. per lb. c.i.f.

BERGAMOT.—Dealers are offering spot supplies at about 10s. 3d. to 10s. 6d. per lb. The Consortium quote for this market at 10s. 6d. to 11s. per lb., c.i.f. as to quantity, for new crop oil.

Bots DE ROSE.—The proposed Government control of Brazilian has had the effect of making the spot market firmer, with the quotation at 3s. 9d. for quantities. The official shipment figure is stated to be from 5s. per lb. c.i.f., with some rather cheaper offers available at the moment. Cayenne is scarce on spot at fully 8s. 6d. per lb.

CAJUPUT is easier and generally quiet: spot, about 2s. 6d., and slightly less for bulk quantities; shipment, about 1s. 8d. per lb., c.i.f.

CARAWAY is unchanged, with not much business moving. Continental twice rectified about 8s. 6d. to 8s. 9d. per lb., as to quantity.

Cassia has not been of much interest, with spot about unchanged at 4s, per lb. Shipment, about 3s. 2d. per lb., c.i.f.

Cedarwood.—Business is fair, with the price for quantities in drums about 1s. $9\frac{1}{2}d$.; smaller parcels, up to 1s. 11d. per lb.

CINNAMON LEAF is unchanged on a quiet market at about 3s, 4d, per lb.

CITRONELLA.— Business remains rather poor. Java, on spot, is quoted at about 2s. 6d. per lb., and shipment is slightly easier at 2s. 4d. per lb. c.i.f. Ceylon is cheaper, with spot at 1s. $6\frac{3}{4}$ d., and shipment about 1s. $5\frac{1}{2}$ d. per lb. c.i.f.

CLOVE.—A fair business continues, and English 90 to 92 per cent in cwt. lots is quoted from 4s. 6d. to 4s. 9d. per lb. Madagascar is selling fairly well at about 3s. 9d. to 4s. per lb. spot.

EUCALYPTUS.—A steady business is being done at keen prices. Australian, 70 to 75 per cent., 1s. to 1s. $0\frac{1}{2}$ d.; 80 to 85 per cent., 1s. $1\frac{1}{4}$ d. to 1s. 2d. per lb., as to quantity. Spanish, 70 to 75 per cent., 1s. 2d. per lb.

GERANIUM.—Bourbon on spot is firm, with supplies rather limited: quoted fully 27s. 6d., and shipment firm at 23s. 6d. c.i.f. Supplies at origin are reported to be small. Algerian is offering on spot from 25s. 6d. to 26s. 6d. per lb.

GINGERGRASS.—Dealers continue to offer spot at about 7s. per lb.; market is quiet.

JUNIPER BERRY (B.P.) is unchanged with a limited business passing: spot, about 4s. 9d. pcr lb.

LAVENDER.—There is not much interest in the market at the moment, and prices are about maintained. French, 36 to 38 per cent., 9s. 9d.; 38 to 40 per cent., 10s. per lb., for finest quality.

LEMON.—For the time of year business is disappointing. Spot prices continuo to cover a wide range, according to brand and quantity. Sicilian hand-pressed, spot, 4s. to 5s. 3d. per lb. Shipment, from 4s. to 5s. per lb., c.i.f. Californian, spot, 62 cents per lb., in drums.

Lemongrass is rather easy as quoted on spot at 1s. 10d. per lb.; shipment is cheaper at 1s. $8\frac{1}{2}$ d. per lb., c.i.f.

LIME.—Spot business has been fair and prices are a shade easier at 35s. to 36s. per lb. for West Indian, spot.

MANDARIN.—Some small business has been moving with spot about 16s. 3d., and shipment quoted at 14s. 6d. per lb., c.i.f.

Orange.—Rather more business moving, and the market is steadier. Sicilian sweet on spot at 7s. 6d. to 7s. 9d. per lb.; shipment, 6s. 9d. per lb., c.i.f. French Colonial, 5s. 11d. per lb., c.i.f. Californian, spot, 82 to 92 cents per lb.

PALMAROSA is a fairly good market, and the price is holding steady in the region of 8s. 6d. per lb.

PEPPERMINT.—The spot market for Japanese dementholised remains quite neglected and nominal at about 4s. 1d. per lb. Shipment is a fraction easier, and business is slow; June-July, 3s. 4d.; August-September, 3s. 4d.; October-December, 3s. 3d. per lb. c.i.f. American oil tends to be quoted rather easier at from 1 dollar 30 cents per lb., c.i.f.

Petitigrain is keeping quite steady at the spot quotation of 4s. to 4s. 2d. per lb., as to quantity; some fair business moving.

ROSEMARY.—The market has been rather quiet with prices ranging from 1s. 9d. to 2s. per lb., as to quantity.

Sassafras has met with occasional small business, with spot about 5s, per lb.

Spearmint.—The spot is still quoted at 7s. 7d. to 7s. 9d. per lb.; shipment is easier at about 5s. 9d. per lb., c.i.f., for new crop, August-September shipment.

SPIKE.—Occasional small spot business is reported, with prices unchanged. Spanish, 3s. 3d. to 3s. 6d. per lb., as to quantity.

WINTERGREEN.—Spot offers continue at about 7s. 6d. per lb.; business is unimportant.

Wormseed.—Spot offers are being made in the region of 10s. 6d. per 1b., with very little doing.

Fixed Oils, etc.

BUSINESS in these products is still rather quiet. Castor, coconut and groundnut are easier. Cotton oils show a recovery. Palm oils are about steady at current low figures. American turpentine is steady but quiet, and business in linseed (raw, naked) has been limited. Acto oils are about steady with business quiet: coconut and/or palm kernel, 22s.; groundnut, 21s.; soya, 14s. 9d., spot. Castor.—The market shows a further substantial reduction, and is still dull: pharmaceutical, 40s.; first pressings, 35s. 6d.; second pressings, 33s. 6d. (barrels); cases £4 per ton extra, ex mills, Hull, not less than one-ton lots; Madras, 28s. (barrels); c.i.f. Bombay, 28s. (drums) c.i.f. Coconut.—The fall in values for this product persists, and the market is slack: deodorised, 31s. 6d. (barrels), spot; Ccylon, 21s. 3d. (drums), c.i.f. Cotton.—Values quoted show some recovery after the recent losses; business has been a trifle better: deodorised, 26s. 3d.; common edible, 24s. 3d.; soapmaking, 23s. 3d.; crude, 22s. 3d. (barrels), spot. Groundnut is again easier on an unsteady market: deodorised, 38s. 6d. (barrels), spot; crude Oriental, 32s. 6d. (drums), c.i.f. Linseed (raw, naked).—Business has been mostly quict, and the market is slightly easier forward: on spot, 14s. 6d.; June, 12s. 9d.; July-August, 13s. 1½d.; September-December, 13s. 9d.; January-April, 1933, 14s. 9d. Boiled oil, on spot, 17s. 3d. OLIVE.—Business is rather poor but quoted prices are about maintained: edible, in drums, 7s. 6d.; in tins in cases, 8s.; B.P., 4s. 9d. per gallon, in 40-gallon barrels. Palm.—Values show some fluctuation but about balance on the week; business is still rather limited in volume: Lagos, 15s. 6d.; softs, 14s. 6d.; mediums, 16s. 3d.; hards, 17s. 3d.; bleached, 17s. 9d., spot. Palm Kernel is tending to be steadier with more interest shown: deodorised, 30s. 3d.; crude, 22s. 3d., spot. Rape is a point casier, and business has been slow: refined, 32s. 3d.; crude, 30s. 3d., spot. Resin.—The market is steady; business has been moderate: B,

Bromine and Bromides

The President of the Board of Trade (Mr. Runciman) informed Major-General Sir Alfred Knox on June 7 in the House of Commons that during the twelve months ended April 30, 1932, the total imports of bromine and bromides into the United Kingdom amounted to 12,410 cwt., and the exports to 1,093 cwt. (including re-exports 664 cwt.). No exports of bromine or bromides were registered during this period as consigned to the Soviet Union, and the only consignments to Germany consisted of 5 cwt. re-exported.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1932, p. 339.

(From "The Trade Marks Journal," May 25, 1932.)

- "SALEDRIN"; for medicinal chemicals (3). By May & Baker, Ltd., Church Road, Battersea, London, S.W.11. 531,349.
- "CHISTO"; for emulsified perfumed soap (48). By Pinchin Johnson & Co., Ltd., General Buildings, Aldwych, London, W.C.2. 528,658. (Associated.)
- "Varnella"; for perfumery, etc. (48). By The Clarocit Co., Ltd., 110 Great Portland Street, London, W.1. 529,452.
- "ROYODENT"; for dentrifrices (48). By W. Galloway, 39 Morley Street, Bradford. 529,860.
- "DENTOTHERM"; for tooth paste (48). By T. Williamson, 33 North Lonsdale Street, Gorse Hill, Stretford, Manchester. 530,517.

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

Pharmaceutical Society's Vacation Course

SIR,—May I draw the attention of your readers to the vacation course which is to be held at 17 Bloomsbury Square, W.C.I, from July 25 to July 29, 1932? The programme has been specially designed to provide information of value to pharmacists in business who are anxious to keep in touch with the most recent developments. The course is an experiment. If it is successful, other courses will be held in London, and possibly in the provinces. It is to be hoped, therefore, that a considerable number of members of the Society in London will find it possible to give up the time necessary to attend the course. Tickets for the whole course (two guineas, or for any half-day 10s. 6d.) may be obtained by members from me on application. The number who can be accommodated at some of the practical sessions is limited by reason of space, and early application is therefore desirable.—Yours faithfully, Hugh N. Linstead,

Secretary, Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C.I.

A Call to Youth

SIR,—It is only natural that your leading article on this question should have been so well received; it is a leader in fact as well as in name. The youth of to-day differ from the youth of any previous generation in being far better educated and more intensively trained. But when "Common Sense" says that "chemists are already far too highly educated for the consideration and reward they get from governments or the public," the question arises whether his pseudonym has been aptly chosen. To say what he says is to put the cart before the horse. The consideration we receive, unsatisfying as it may be, is a function (as mathematicians say) of our education. In plain English, if we lowered our educational standards we should undoubtedly reour educational standards we should undoubtedly re-ceive consideration diminished in more than the same ratio. At a time when even typists, apprentices to insurance companies, shorthand reporters and aspirants to the better class of shopkeeping are expected to have matriculated, or at any rate to have taken a school certificate, it is idle to deprecate a high educational standard or to advocate a turning back of the rising tide of general academic attainment. One suspects that "Common Sense" is thus far out of touch with youthful educational vogue. There is a universal rise of educational standards, and willy-nilly pharmacy must rise with it—or sink. What the youth of pharmacy rise with it—or sink. What the youth of pharmacy must make up its mind to do is to turn its educational superiority to account in resisting those frequent assaults and in raising our emoluments. It is highly probable that if younger men (and women) sat on the Council a that if younger men (and women) sat on the Council a stronger resistance to departmental aggression would be the result. After all, the prime vice of age is conservatism (with a small "c"); and with conservatism goes a degree of torpor sufficient to account for the readiness with which our elected representatives "fall for" the blandishments of permanent officials. The impetuosity, the natural radicality of youth, its energy (tinged as it may be with quixotry) would be an efficient barrier against these hypnotising influences. And emoluments? This is not the appropriate time, perhaps, for impetuous youth to fight, for example, for increased N.H.I. pay—but the right time will soon be upon us when a rise in prices may be expected as a result of the new import duties; and as the cost of drugs rises we must agitate for increased fees—a perfectly rises we must agitate for increased fees—a perfectly logical demand. And one wonders if youth is equal to the task of putting into practice a thorough going minimum-price scheme? True, we have our minimum price lists; but it is notorious that these prices are minimum only in name. Here, then, is a problem worthy of

youthful mettle. And here is another; how to counter the competition set up by the wealthy multiple stores against the (relatively if not absolutely) poor private trader.—Yours truly,

R. CECH, OWEN.

Chester.

Council Election

SIR,—Some of your contributors refer to the small proportion of voting papers returned at the recent Council election and attribute this to the indifference of the electors. But is not the explanation rather to be found in your comment in an editorial article (C. & D., April 28, p. 593), "a sort of paralysis sterilising the faith of 7,802 out of 13,595 potential electors"? 'I confess that I was one of the non-voters, but not from apathy. In ordinary years I should have voted for the retiring members; but in the absence of any information regarding the causes for the Council's support of the Pharmacy and Poisons Bill except that derived from the published reports, which I do not consider sufficient, and in the belief that the Bill is detrimental to the retail chemist, I did not feel that I could conscientiously add my support. On the other hand, neither should I have voted for the opposing group in any case, so that for the first time since I became a member of the Society I did not record my vote.—Faithfully yours,

CONFITEOR (6/6).

Competition

SIR,—" Puzzled" (C. & D., May 28, p. 603) describes the condition of pharmacy in his town and the changes which have occurred during the past decade, and in doing so gives a picture of what is happening in most other places. He then sets out three possible courses of action calculated to meet these conditions, and asks for the views of readers on them. Let us take his second course first, to sell up and buy a fresh business in a new locality; briefly, this would be to jump out of the frying-pan into the fire if he is thinking of a new business in another small town or suburban district, for he would find his present conditions reproduced-new pharmacies being opened up regardless of the requirements of the population, surgeries supplying all their own medicines, and clinics. So unless he were fortunate enough to find a business in an area which is complete and stabilised, with little prospect of new opposition arising, I do not think he would be much better off. His third problem is whether to open a branch in a new area. This is really a variation of his second question, and the same remarks apply as to locality and opposition. I have found that newly-developed estates soon become over-shopped, because shops sell for more than houses, and therefore a block of shops is built at nearly every cross-Further, for an individual proprietor the opening of a branch is equivalent to opening a new business. In the case of a multiple concern the name and business of the firm are known to the public wherever a branch is opened, and to a large extent the trade is waiting; but it is not so with a single chemist unless he is very well known in his town. Against this he may derive some benefit by being able to buy for the two shops in larger quantities, and some of the running expenses may be shared by the two businesses. He asks whether he should place the manager in the new or the old premises. In my opinion the manager should certainly be put in the new branch, because if "Puzzled" has any personal connection with his customers he runs the risk of dropping a certain amount of custom by leaving his original establishment in charge of a stranger whilst he himself will have to work up a fresh connection in the new premises. Lastly, I come to his first item, to reduce staff, cut overheads and wait for a trade revival. This is what all of us are having to do at the present time; it is practically the only thing one can do.—Yours truly,

STICKING IT (7/6).

SIR,—Much has been written and said during the last year or so regarding the reduced volume of business which chemists are enduring with more or less patience. Undoubtedly competition from chain shops and six-penny stores is partly responsible. There is also the problem of many pharmaceutical lines being handled by hairdressers, grocers, drapers and others. Although I have felt the effects of diminished returns, I find consolation in the fact that the number of customers has not dropped in proportion. A few years ago my average customer spent is.; to-day the amount is about 9d. Reduced spending power is resulting in smaller quantities of drugs and minimum sizes in patents being pur-Again, people are compelled to buy packed lines costing a few coppers instead of patents at higher prices. It must be remembered, also, that there has been a drop in the prices of many commodities, and people do not buy more because prices are lower. When more prosperous times return, chemists should find that they retain a fair share of custom.—Yours faithfully, PROVINCIAL (7/6).

Sir,—The letters appearing in the correspondence columns of the C. & D. are of more than ordinary interest, and give evidence of an awakening to the problems affecting the business of a chemist and druggist. There are some who have a natural aptitude for business, yet there are many, as "Manufacturer" reminds us (C. & D., June 4, p. 615), who are deplorably deficient in even the rudiments of business. It is strange that many of them are financially comfortable, their capital or business being, often, inherited; but unfortunately they do not realise there are a great many chemists struggling in business to-day, and so it is that because of the unbusinesslike methods (such as cutting prices and under-valuing pharmaceutical service) of the few, many have to suffer. The medical profession affords a striking example of the strength of unity, and the same remark applies to dentists, lawyers, teachers, etc. Why, then, cannot chemists unite and raise their own status? I think the time is fast approaching when, owing to the dead weight of expenditure in conducting business, pharmacy will be compelled to reorganise its methods. The prospect in the not very distant future of an added burden in the shape of a registration of premises fee, continuance of the 10 per cent. cut in N.H.I. payments, and the present disinclination to spend, will be contributory factors.—Yours faithfully, COMMON SENSE (7/7).

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

A Valuable Prescription

I have recently made up medicine from a prescription copied in one of the books of my predecessors in this business in the year 1869, for the original owner. Is not this almost a record? The patient must have had hundreds of bottles in the sixty-three years.—

J. C. L. (26/3).

Meteorological Reports

To attract attention to my pharmacy I am considering having some forms printed on which I could give a meteorological report each day. I thought of giving temperature, barometer reading and rainfall. If any chemist already doing something similar would give me some information as to layout and method of procedure I should be grateful.—Midlander (7/7).

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

H. D. (13/58).—(1) IODISED THROAT TABLETS.—These could be prepared in the following manner:—

Tr. iodi.					1/5m
Ac. carbol.					1/10 gr.
Menthol	•••	• • •	•••		1/30 gr.
Ac. tart.	• • •	•••			4 gr.
Sacchar.				ad	10 gr.

Granulate the sugar and acid, then mix the other ingredients with the minimum amount of alcohol. Pour over granules and compress into tablets of 10 grains.

(2) Laxative tablets.—Without some indication of what you have in mind as a fruit laxative tablet, it is difficult to reply to your request. Laxative tablets usually contain phenolphthalein, while other laxatives are concentrated from senna pods and black currant paste. In others a small quantity of ox bile is used with sugar of milk and a fruit flavour. Possibly the following preparation may meet your requirements:—Evaporate liquid extract of senna pods to the consistence of a soft extract so as to have a knowledgeable base for a dose. Add one tenth of its buik of fruit lozenge base and sufficient sugar of milk to granulate. As an alternative we would suggest the following formula:—

Phenolphthalein	 	grain
Fruit lozenge base		grains
Milk sugar	 	a sufficiency.

J. H. L. (24/5).—(1) HAIR FIXATIVE.—An oily non-separable hair preparation may be prepared as follows:—

T : 1 1 00	-		7.50
Liquid paraffin		 	150
White wax		 	10
Distilled water	• • • •	 	
		 	15
Borax		 	1

Warm together the liquid paraffin and the wax until the latter has melted, then add the warmed solution of borax and shake to form a cream.—(2) Motor car polish.—See C. & D., 1931, II, 524.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," June 15, 1882

Statistics of Chemists in Business

... To maintain the same relation to the population during succeeding years fourteen new chemists should start up during each year for each thousand living at its beginning. ... The law of supply and demand is strikingly illustrated when we find in the prosperous years, 1873-74, the number of chemists so much exceeding the proportion existing in 1870, and decreasing with insignificant interruptions ever since. . .

Year	Number on Register	Number calculated on immediately preceding Register	Excess or deficiency	Number calculated on the 1870 Register	Excess or deficiency
1873 1875 1877 1879 1881	13,216 13,276 13,320 13,561 13,655	12,933 13,476 13,367 13,499 13,655	+273 -200 - 47 + 62	11,979 12,324 12,679 13,055 13,432	+1,237 + 952 + 688 + 444 + 223

If other things had remained unchanged during the interval, we might argue from these facts [a longer table appeared on June 15, 1882] that chemists were best off in 1870, worst off in 1873, and that they have been growing more prosperous again since that date. This is, of course, fallacious.

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Bronchial Mixture 8 ,, 8/- ,, Catarrh Mixture 8 ,, 8/- ,,	Neuralgia and Headache Mixture 8 ,, 8/- ,,
Children's Cough Mixture 4 ,, 6/- ,,	Pectoral Elixir 6 ,, 7/- ,,
Cold and Influenza Mixture 8 ,, 8/- ,,	,, ,, 8 ,, 8/- ,,
Diarrhœa Mixture 8 ,, 8/- ,,	Quinine and Phosphoros Tonic 8 ,, 8/- ,,
*Eye Lotion R I 6 ,, 7/6 ,,	Vigour Tonic 8 ,, 8/- ,,
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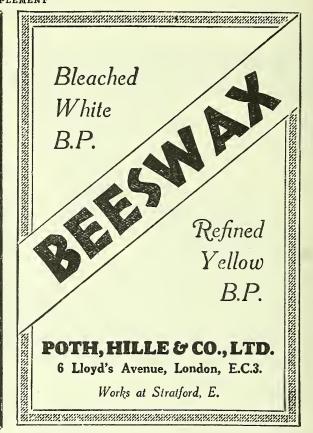
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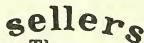
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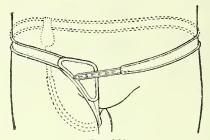


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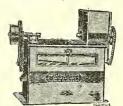
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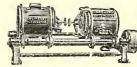
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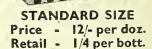
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SITUATIONS WANTED—2/- for 18 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

LEGAL NOTICES, TENDERS, AUCTIONS, and all specially-spaced announcements, 1/3 per nonpareil line (12 lines=1 inch single column). (Box No., 1/- extra.)

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EXCHANGE COLUMN (for Retailers, etc.)-Twopence per word, minimum 2/-. (Box No., 1/- extra.)

THE CHEMIST & DRUGGIST, 28 Essex St., Strand, London, W.C.2

Telegrams: " Chemicus, Estrand, London." T'elephone: Central 6565 (8 lines).

OSING

MUST REACH US

POST

ADVERTISEMENTS INTENDED FOR INSERTION IN THIS SUPPLEMENT

THURSDAY MORNING.

56 LUDGATE ESTABLISHED 1846

E.C.4 Telephone No.: CITY 2283

(Death Vacancy) .- General Retail and Dispensing Business; established about 30 years; the business has been neglected recently and the turnover for 1931 was £1,795; has been much more; double-fronted shop; stock and fixtures estimated to be worth £880; small living accommodation; rent £86 per annum; 14 years' lease; lump sum offer, or valuation terms cutertained.

2.—LONDON, S.E. (Good-class Locality).—General Retail and Dispensing Business, with Kodak Agency and N.H.I.; returns last year £3,200, increasing; gross profit £1,234; large double-fronted shop, attractively fitted and well sbocked; stock and fixtures worth about £1,200; long lease; rent at present £100, rising to £125 and £150; a lump sum offer would be considered, or valuation of stock and hxtures, plus an agreed sum for goodwill.

3.—ESSEX. — General Retail and Dispensing Business (neglected); returns at present about £1,100 per annum with scope for large increase under personal supervision; vendor owns the property, and will sell same or grant a lease at a rental to be agreed; small living accommodation; stock worth about £350; good fixtures; for a quick sale £600 would be accepted.

4.—LONDON, E.—Drug Store, with Kodak Agency; established many years; returns exceed £1,200 per annum, with net profit over £350; single-fronted shop; stock and fixtures worth about £600; seven-toomed house, with bathroom; new lease will be granted at £65 per annum, or property may be purchased; price to be arranged; no doubt there is scope for increase in the hands of a qualified man.

5.—LONDON, S.W.—Good-class Business, with Kodak Agency; returns last year £2,080; double-fronted shop, well fitted and stocked; house contains 5 rooms, bathroom, scullery, and two stock rooms; long lease; rent £80; at present conducted under management; price asked £1,175, or valuation terms entertained.

6.—EALING.—Middle-class Retail Business, with Kodak Agency; returns, under management, £1,750; scope for increase; main road position; living accommodation and bathroom; new lease; rent £110 per annum; shop well fitted and stocked; price asked £1,000.

May be CONSULTED at their Offices on MATTERS of SALE, PURCHASE & VALUATION. 8.—SUSSEX COAST.—High-class Dispensing and Retail Business; returns first year £2,447; scope for large increase; very good profits; main-road position; large shop, handsemely fitted and well stocked; good living accommodation and garden; rent £125; held on lease with option to purchase property; price about £1,200 plus value of stock; further details on application.

9.—GLAMORGAN.—Good-class Business, with splendid Optical connection and Kodak Agency; increasing turnover, last year being £2,600 with gross profit £1,150; mahogany fittings; stock worth £800; seven-roomed house with garden; held on lease; price £1,000 or valuation.

10.—NORFOLK.—Unopposed Drug Store, with Kodak Agency and Tobacco; very old-established; returns last year £931; scope for increase in the bands of a qualified man; there is also scope for Optics and Dentistry; single-fronted shop, with house attached; conservatory, garage and private entrance; vendor owns the property and wishes to sell same for £450; price required for business £750.

11.—HAMPSHIRE.—High-class Retail and Dispensing Business, with small Optical connection; returns exceed £2,500 per annum, with gross profit £1,000; attractive shop, very well fitted and stocked; very good house, with garden; long lease; rent £160 per annum; terms: £400, plus stock and fixtures att valuation or lump sum offer at valuation, or lump sum offer.

12.—EAST COAST.—Good medium-class Business; returns exceed £3,000 per annum; scope to do £4,000; splendid Mying accommodation; rent £90; exceptionally long lease; corner shop, well fitted and stocked; price £2,250 or an agreed sum for goodwill plus stock and fixtures at valuation.

13.—DORSET.—Cash Drug Store; returns last year £1,597, with gross profit £633; corner shop; good £ttings and ample stock; new lease at rental of £75; price asked £750. Also two other Drug Stores, price £500 and £550 respectively; part payment if desired.

7.—WESTERN SUBURB.—Working-class Business situated in thickly populated area; returns last year £1,006, increasing; net profit £285; double-fronted shop, well fitted in mahogany; stock worth £275; rent £40; 11 years' lease; ample living accommodation; price £675, all at, or near offer. 14.—SOUTH COAST.—Medium-class Retail and Dispensing Business, with increasing turnover; returns last year £1,613, with net profit £490; medium-sized shop, well fitted and second accommodation; price £675, all at, or near offer. Chemists' Transfers, Valuations for Sale, Stocktaking & Propate SPECIAL TERMS FOR INCOME TAX VALUATIONS SPECIAL TERMS FOR INCOME TAX VALUATIONS

ten mantill TELEBRORE CONTROL Magninul/Malliminammich H d. 41 ARGYLB SQ, KING'S CROSS AND ST. PANGRAS STATIONS Ore MINITE FROM KING'S CROSS AND ST. PANERAS STATIONS. Phone | Criemises Haluers and Transfer Agents | Established | 1870|

1.—NEW FOREST.—Select Family and Dispensing Business, charmingly situated and easily worked; turnover £1,600, increasing: excellent modern house, with large well-stocked garden, garage and ½ acre of land adjoining Forest; price for business and irechold property £3,850; suitable for anyone with capital seeking a pleasant country life.

2.—MIDDLESEX (10 miles out).—Good-class Family Suburban Business in best position; returns last 3 years average £3,450; books audited; handsomely fitted shop; fully stocked; price £2,250, or offer; strongly recommended.

3.—HERNE BAY.—Well-established good-class Family Rusiness in the strongly recommended.

3.—HERNE BAY.—Well-established, good-class Family Business in growing district; no immediate opposition; returns last year £1,850; scope for increase; good house; long lease; offers

-SURREY (BANKS OF THAMES) .- Cash Drug and Photographic Store, showing steady increase; returns last year £1,500 met profit £374; lock-up shop; stock worth £500; price £860.

5.—WIMBLEDON (Near).—Good-class Retail, Dispensing and Photographic; returns, last year, £2,090; net profit £450; one assistant kept; rent £80; long lease; good house and pharmacy; price £1,300, or first reasonable offer.

6.—LONDON, W.C.—Modern Cash Pharmacy in busy main thoroughfare; returns about £3,000; gross profits over 40 per cent.; smart double-fronted shop, with flat over; long lease; price £2,000 or offer.

7.—LONDON (SURREY SUBURB).—Good middle-class Business in pleasant suburb; returns over £1,500; scope for increase; modern pharmacy; well stocked; house attached; long lease; price about £1,200; valuation terms arranged.

8.—WEST MIDDLESEX.—Sound Light Cash Retail; in same hands many years; retiring; returns £1,569 last year; gross profits £615; main road position; stock worth £500; price £800.

9.—SUSSEX COAST.—High-class Business in best position of select health resort; returns last year £2,500, increasing; should do at least £3,000 this year; modern well-fitted pharmacy, with convenient house; valuable lease; very heavy stock; price £2,500, or valuation terms arranged.

10.—HERTS.—Good middle-class Family Retail; practically unopposed; returns last year £1.668; net profit over £500; modern house and pharmacy; well stocked; price £1,250.

11.—HANTS COAST.—Good-class Suburban Business, under management; returns average £1,700; modern fitted pharmacy, in good position; well stocked; price £1,200.

12.—GLOUCS.—Profitable Cash Drug Stores in small town; same hands many years and retiring; returns about £650; plenty of scope; rent £40; good house; large garden; steek worth about £550; price £500.

13.-PLYMOUTH.-Middle-class Cash Retail, returning £20 weekly; plenty of scope; low rent; stock worth £340; vendor's illness necessitates quick sale; price £460 or offer.

14.—LONDON, W.—Good-class Family and Dispensing with Photo; returns over 5,300, audited figures; good main road position; double-fronted shop, well fitted and stocked; price £2,200, or valuation terms arranged.

15.—BAKER STREET STATION (Near).—Good-class Retait and Dispensing Business with Photo and small Optical connection; returns last year £2,200; present returns less; modern well-fitted pharmacy; stock worth £550; price, bare valuation of stock and fixtures.

16.-BRIXTON (Near).-Good-class Cash Drug Store; present returns £17 weekly, increasing; qualified chemist would soon do £25 weekly; attractive shop; good stock; price £475; recommended

LET US QUOTE FOR YOUR STOCKTAKING.

ALL VALUATIONS PERSONALLY CONDUCTED BY PRINCIPALS.

ERNEST J. CHEMISTS' BUSINESS SPECIALIST. GEORGE, VALUER, AND TRANSFER AGENT

Tel. : Earnest, Walsall.

TUDOR HOUSE, WALSALL.

'Phone: Walsall 3774 London Office: Sentinel House, Southampton Row, W.C. Phone: Museum 8340. [London Office: Sentinel House, Southampton Row, W.C.]

(OPPOSITE KINGSWAY SUBVERY)

(C1) Pharmacists who would be interested in an old-established business, prominently situated in a leading thoroughfare of London, showing returns of between £4,000 and £5,000 per annum, are invited to write for initial particulars which will be supplied to genuine likely buyers in strict confidence.

(C2) SOUTH MIDLANDS.—Old-established manufacturing concern available for disposal; chemists with capital, to whom such a proposition would be of interest with a view to purchase, are invited to write in confidence for the necessary introduction.

(C3) POPULAR YORKSHIRE WATERING PLACE.—Corner pharmacy with optical connection capable of extension under active management; present turnover about £15 weekly; has done £60; well fitted, with good premises and living accommodation; property to sell for £3,000 or leased at £150; stock approximately £900; fittings £300; goodwill by arrangement; negotiations must be private and confidential.

(C4) LEICESTER.—Old-established retail and dispensing business with good toilet and photographic trade; average returns for past two years approximately £2,200 per annum; small house available, at present sub-let; further particulars to bona fide prospective purchasers upon application.

(C5) SOMERSET.—Recently-established lock-up pharmacy showing present returns of approximately £20 weekly; excellent scope for further increase and development; purchase price for outches the formulation of the provided of the sale £125.

(C5) SOMERSET.—Recently-established lock-up pharmacy showing present returns of approximately £20 weekly; excellent scope for further increase and development; purchase price for quick sale £435. (C6) HAMPSHIRE.—Old-established retail business situated in popular holiday resort near to prominent seaport town; living accommodation; returns for the last financial year approximately £2,500; no near opposition; vendor open to accept reasonable offer; further particulars upon application.

(C7) LONDON (EASTERN SUBURB).—Exceptionally good profit-earning business showing returns upwards of £40 weekly; N.H.I. scripts average 500 to 700 per month; net profits approximately £650 per annum; long lease at moderate rental, or property could be purchased at reasonable figure; good scope for increase; reason for disposal, owing to semi-retirement; every facility granted for investigation. for investigation.

for investigation.

(C8) SOUTHAMPTON (NEAR).—Good-class dispensing, toilet and photographic business, with living accommodation; main road situation; average returns for past three years under very depressed conditions exceed £1,700 per annum; good scope for optics, if desired; excellent opportunity for pharmacist who can afford to await full results; reasonable purchase price, consistent with present values and conditions.

(C9) LONDON, E.C.—Recently established city pharmacy situated in busy main thoroughfare and possessing excellent potentialities; bona fide reasons for disposing; little opposition; long lease at moderate rental; purchaser's price to comprise value of stock and fixtures only, approximately £550.

(C10) NORTH-EAST COAST .- Old-established retail business (Clo) NORTH-EAST COAST.—Old-established retail business showing increasing returns for the past three years; turnover for 1930/31 financial year upwards of £2,750; no living accommodation on premises, but a house would be placed at purchaser's disposal; price for quick sale, £1,225, including stock and fixtures estimated at

(C11) LONDON, S.W.—Exceptionally good profit-earning business with scope for further increase and development under personal proprietorship; returns upwards of £1,100 per annum; to a proprietor running the business personally, the net profits for the last financial year would have been approximately £400; purchase price, £800; or near offer.

(C12) GUILDFORD (NEAR).—Good business for disposal at bargain figure, owing to special circumstances which necessitate a quick sale; present returns approximately £20 weekly, with good scope for further increase and development; living accommodation with garden; rent, £100 on long lease; for an early transaction the owner will be prepared to accept a figure considerably below market value (approximately £500); reasonable offers or suggestions considered; full particulars upon application.

(C13) HERTFORDSHIRE).—Up-to-date and well-fitted pharmacy; turnover approximately £30 weekly; N.H.I. scripts about 200 per month; rent and rates approximately £80; 14 year lease with eption, reasonable purchase price.

(C14) HAMMERSMITH (NEAR).—Old-established which was for many years a pharmacy of considerable standing, prior to the death of the late proprietor; the business is at present heing carried on as a Drug Store, but can be quickly re-established by a qualified chemist with personality and initiative; returns have been between £2,000 and £3,000 per annum, with an insurance panel which frequently exceeded 1,000 scripts monthly; further particulars in confidence to bona fide applicants.

(C15) MONMOUTHSHIRE.—Good retail and dispensing business with excellent scope for further development; returns for 1931/32 financial year £1,800; accountant's figures available; good reasons for disposing.

Quotations for Stocktaking or for Pricing Chemists' Own Stock Records Supplied on Application.

The ASSOCIATION of MANUFACTURING CHEMISTS,

(Business Agency, Transfer & Valuation Department)
KIMBERLEY HOUSE, and at EXCHANGE CHAMBERS,
Holborn Viaduct, LONDON, E.C. 2 Bixteth St., LIVERPOOL
PARKIN S. BOOTH, Valuer. Tele.: CITY 1261-2-3-4.
VALUATIONS. SALES OF BUSINESSES. STOCKTAKINGS.

BUSINESSES FOR DISPOSAL.

Baschurch, Salop.—For Sale, Chemist's Mixed Business in country; present rent, house and shop, £40 per annum. Apply R. P. Price & Son, Auctioneers, Shrewsbury.

BIRMINGHAM. — Established Cash Business and N.H.I., chiefly Family trade, showing 40 per cent. gross profits; Kodak and Ucal Agencies; well-fitted, double-fronted shop; good living accommodation and pleasant garden; present minimum met profit, under management, £7; scope for further improvement if living on premises; opening for Optics; cash required about £850; good reasons for sale; only genuine inquiries answered. 211/11, Office of this Paper.

BOURNEMOUTH.—A Business situated in one of the most pleasant districts; nicely fitted; well stocked; buses and trams stop outside; turnover £20 per week, steadily increasing; good-class growing district; opened a year ago; genuine reason for disposal; with or without living accommodation. 214/8, Office of this Paper.

DEVONSHIRE (Plymouth).—General Retail and Dispensing Business; established over 20 years; N.H.I. and City Dispensers; Kodak Agency; double-fronted shop, well stocked and fitted; busy thoroughfare in centre of City; good working-class teady money trade; an assured living for energetic man. R. L. Lowther, (Top) St. Andrew Street, Plymouth.

DURHAM CITY.—Old-established Chemist's Business, at junction of South Street with North Road; General, N.H.I., Photographic (Kodak), Agricultural; small varied stock at half cost; rent and rates approximately £100; suit beginner. "Chemist," "Easdale," Durham City.

ESSEX COAST.—Small new Pharmacy; double-fronted; long lease; nice house and garden; Kodak Agency; N.H.I. (trebled in 12 months); takings increasing weekly; lack of capital sole reason for disposal; all at £450. 205/344, Office of this Paper.

LONDON, E. (main road).—Chemist Shop and Basement; modern front and fiftings; returns £1,197; lease 14 years; rent £120; price £550; stock £150 (approximately). Apply 212'10, Office of this Paper.

LONDON, S.W.—Good Retail and Dispensing Business; Kodak Agency; good opening for Optics; plenty of Prescribing; long lease; side entrance; good size garden; takings £995; net profits 25 per cent.; good scope for increase and development; disposing of business owing to illness; price for quick sale £600, or nearest offer. 213/12, Office of this Paper.

LONDON, N.W. (Good Residential Suburb).—Exceptional chance to secure good-class Family Dispensing and Photographic Business; average turnover £3,450; books audited; attractive modern pharmacy, in prominent position; excellent stock; good lease; price £2,250, or close cash offer; applicants must furnish banker's reference. "Prompt," 205/343, Office of this Paper.

LONDON (West Suburb).—Small Chemist's Business; nice shop, lock-up; fair stock, mostly new; fair amount of N.H.I., also Photography; low rent; price £200 (or near offer) all at. Inquiries to 213/5, Office of this Paper.

LONDON, S.W.—Main road, in prominent position; living accommodation; lease 15 years; trade now £30-£35 per week, plus N.H.I. 600-700 per month; good reason for disposal; price £500, or offer; stock at valuation. 213/30, Office of this Paper.

MANCHESTER.—Retail and Dispensing Chemists; one mile city; densely populated district; main road; excellent fittings; good reason for selling; takings exceed £1,000, with scope for improvement; stock approximately £200; £550 or mearest, or with property £1,200; ground cent £2. Smith & Smith, Incorporated Accountants, Gorton, Manchester.

OLDHAM.—Well-established Retail Chemist's on main road; stock and fixtures valued £2,500; turnover average last 5 years £3,400; last year £2,800; would consider offer from suitable party to pay by instalments. 211/8, Office of this Paper.

S, F. CLARK, F.N.A.A. Prospect 3366 CHEMISTS' VALUER & TRANSFER AGENT 34 Marksbury Avenue, Richmond, Surrey

VALUATIONS for sale, purchase, probate, and Income Tax purposes, personally conducted in any part of the British Isles, ACCOUNTS audited. BALANCE SHEETS certified. BUSINESSES (all districts) available and required.

Enguiries solicited.

SURREY.—Main road Chemist's for Sale, with living accommodation; long lease; rent £150; well fitted and stocked; at present averaging £30 per week; good scope for private owner. Full particulars from "A.," 5 Fairholt Road, N.16.

WEST END OF LONDON.—Brisk Cash Business for Salc; Kodak, Ucal Agencies; good Torlet and Surgical connection; returns £3,600; gross profit about 42 per cent.; audited books; newly fitted double-fronted shop and luxurious modern flat above; long lease; owner leaving London for health reasons; £2,250, or £1,750, stock at valuation. 210/31, Office of this Paper.

YORKSHIRE (Prosperous Industrial Town).—Retail, Dispensing, Photographic; double-fronteα shop; good living accommodation; lease, renewable; low expenses; profits about £480; accountant's figures; sound business, with scope for increase; price £850, including approximately £600 stock. Preston & Partners, 29 Ludgate Hill, E.C.

A SMALL lock-up Chemist Shop, fitted 12 months ago, taking from £6 to £8 a week, to be Sold at cost price; there is opportunity for a capable young man with enough means to stock the shop sufficiently; the reason for sale, the owner has no means to stock it sufficiently; there is steady increase in the takings and the Panel. Apply "X.," 45 Grange Road, S.E.1.

CHEMIST'S Business for Sale, 12 miles from City; long established; Light Retail, N.H.I. Dispensing and Photographic; working-class district; sow rent on lease; good living accommodation; turnover £12 per week; ill-health reason for disposal; price about £300 (value of stock and fixtures). C. E. Beer, 154 Ordnance Road, Enfield Wash.

CHEMIST and Optical Business, Lancashire health resort; main road; double-fronted shop in good residential neighbourhood; designed for single-handed; easy working; shop fitted in mahogany and well furnished Optical Room; excellent living accommodation; garden; room for garage; long lease; low rates; net profit £447; price £950. 214/12, Office of this Paper.

PRUG Stores, Harrow district; Kodak Agency; returns last year £1,500; net profit £247, certified accountant's figures; splendid apportunity for qualified; plenty of N.H.I. refused; stock £180 to £200; 11 years' lease; price £650. 211/29, Office of this Paper.

TOR Sale, Chemist's Business, the old-established business in county and market town; commodious shop, with good living accommodation, in excellent position in best business centre; premises capable of enlargement. Apply 211/57, Office of this Paper.

GOLDEN OPPORTUNITY M.P.S.—Pharmacy; fine modern well-fitted shop; main road, S.W.8; turnover £1,350 per annum, increasing; plenty scope; any investigation; price £250, plus stock, fittings, about £550. P.C.B. 38/3, Office of this Paper.

LOCK-UP Pharmacy; main road, East London; wonderful position; rent £216 inclusive; basement sub-let at £26; taking at present £35 (easily increased); net £500; any reasonable trial given; £1,100, including fixtures; stock at valuation. 213/10, Office of this Paper.

£50 DOWN, balance to suit purchaser; splendid opportakings £10 weekly; a business that wants a man; returns easily doubled in the right hands; rent £1 per week. Call 64 Morning Lane, Hackney, E.9.

£160, ALL AT.—Drug and Photographic Stores; London, bouse; large working-class district, away from all opposition; wants qualified with small capital to develop; the position offers plenty of scope for young energetic man just starting on own account. 211/58, Office of this Paper.

£350 NET, all at, for quick sale, Drug Stores in large good opening for N.H.I.; rent and rates 35s. per week; returns £440 per annum, increasing. 212/3. Office of this Paper.

APPOINTMENTS.

ST. BARTHOLOMEW'S HOSPITAL, ROCHESTER. (126 Beds.)

I ADY Assistant Dispenser required July 1; Apothecaries' qualifications necessary; salary £120 per annum; previous Hospital experience preferable; must be strong.

Applications, stating full particulars, together with copies of three recent testimonials, to be addressed to the Secretary.

COUNTY COUNCIL OF MIDDLESEX. CHIEF ASSISTANT DISPENSER.

THE County Council invites applications for the post of Chief Assistant Dispenser (non-resident) at the Redhill County Hospital, Edgware, Middlesex, at a salary of £225 per annum, rising hy annual increments of £5 to £250 per annum; subject to a small temporary ahatement in view of the national situation.

to a small temporary anatement in view of the national situation.

Candidates must be graduates in pharmacy of a recognised University or hold one of the qualifications of the Pharmaceutical Society of Great Britain.

In addition to knowledge of Dispensing, the officer appointed must be able to undertake simple biochemical and microscopical investigations, and will be required to devote whole time to the duties of the post, to contribute to the County Council's Superannuation Fund, and for the latter purpose to pass such medical examination as the County Council may direct.

The appointment will be during the pleasure of the County Council and terminable by one month's notice on either side. Applications, stating (1) name, (2) age, (3) qualifications and experience, accompanied by copies of not more than three recent testimonials, must he received by the undersigned not later than 25th June.

No special application forms are provided. Envelopes must be endorsed "Chief Assistant Dispenser."

Canvassing, directly or indirectly, will be a disqualification. (C.D/3)

ERNEST S. W. HART, Clerk of the County Council.

Guildhall, Westminster, S.W.1. 2nd June, 1932.

BUSINESSES WANTED.

MIDLANDS OR SOUTH.—Private Pharmacist with full capital requires sound, genuine Business, capable of showing a net income of £1,000/£1,500 per annum; living accommodation preferred, but not essential; open to negotiate immediately for purchase of suitable proposition; all replies treated as strictly private and confidential. Ernest J. George, Sentinel House, Southampton Row, W.C.1. Telephone: Museum 8340. Museum 8340.

DIRECTORSHIP.

DIRECTORSHIP WANTED.—A qualified Chemist and a business man with a unique executive experience of the Drug and Fine Chemical trade will be pleased to consider offers subject to satisfactory mutual arrangement; the advertiser is well known in wholesale and manufacturing circles. Write Box 745, c/o Davies & Co., 95 Bishopsgate, London, E.C.2.

PARTNERSHIPS.

CENTLEMAN, with two branches, wishing to manufacture and increase mail-order business, offers Partnership to energetic young man (qualified or unqualified); £500 to £1,000, according to holding; nnlimited scope; London district. P.C.B. 37/19, Office of this Paper.

OPPORTUNITY occurs for keen experienced Chemist with some capital to acquire interest in old-established Retail business in Birmingham suburb; proprietor contemplating gradual retirement. 212/4, Office of this Paper.

OPTICS.—Chemist-Optician, F.S.M.C., will collaborate with established good-class business (London or Essex) in the opening of an Optical Department on a Partnership basis with equal division of profits. 211/39, Office of this Paper.

APPRENTICES.

INT. B.Ph. requires one year's Apprenticeship; start July; prefer high-class Dispen, in London, Write "Statim," 40 Ravensdale Road, Stamford Hill, London, N.16.

AGENT

required by an established PROPRIETARY MEDICINE MANUFACTURER

for the Irish Free State, with for facilities packing general representation.

State lines now represented and details of sales policy.

205/339, Office of this Paper

AGENCIES.

A GENT, calling on Retail Chemists, Lancashire district, to handle Perfumes and Toilet goods; competitive lines; connection handed over; commission hasis. 205/542, Office of

WEST AFRICA.—Manufacturing Chemists in London require first-class distributing concern to handle their products in Gambia, Sierra Leone, Nigeria and Gold Coast; only firms having practical knowledge in dealing with high-class ethical proprietaries and having a good connection with the Medical Profession, Hospitals, Dispensaries, etc., need apply; goods on firm account with special agency discount, possibly consignments. Please state fully size of organisation, hranches, experience, results, and supply references in England. 205/340, Office of this Paper.

PREMISES TO LET.

BECKENHAM.—Shop in main road, bus stop; very excellent accommodation above; £140 per annum, rising by £15 each seven years on 21 years' lease. Wates, 668 High Road, Streatham, S.W.16. Pollards 2233 (extension 7).

CHEMIST WANTED.—New Shops, Chipstead Valley Road, Coulsdon; growing district near Woodmansterne Station; now being built; £100 per annum; living accommodation. Morgan, Baines & Clark, Wallington.

PALING.—Modern double-fronted lock-up Shop, adjacent to hospital, nursing homes and many doctors; rent only £125 per annum; lease about 19 years. Apply Leslie Raymond, F.S.I., F.A.I., 24-25 The Mall, Edgware.

APARTMENTS.

RESIDENTIAL CLUB FOR GENTLEMEN. HAMPDEN CLUB, Hampden Street, N.W.1, close to King's Cross Station. Large club rooms. 300 bedrooms and bed-sitting rooms, 15s. to 25s. per week. Illustrated Prospectus, Secretary. Museum

SITUATIONS OPEN.

RETAIL (HOME).

s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

DARNSLEY.—Wanted, immediately, Senior qualified Assistant for high-class pharmacy; duties, Dispensing and Counter work; age 30 to 40 years; good London and provincial experience preferred; must be gentlemanly and of good character. Write, enclosing testimonials, age, experience, and salary equired, to Mr. R. L. Wilson, J. R. L. Moorhouse, 12 Market Hill, Barnsley.

BIRMINGHAM.—Qualified Assistant required immediately. The position offered is a permanency and suitable for derly man, the duties being light and the hours short. Please tate wages required (which must be low) and give usual pariculars to 210/25, Office of this Paper.

IVERPOOL.—A good all-round lady Assistant; well trained; neat and accurate Dispenser, Book-keeper; Hall qualification. Give fullest particulars, experience, etc., salary required; shoto returned if sent; a comfortable berth if suitable. 212/52, Office of this Paper.

ONDON.—Vacancy in August for lady Minor; must be capable Dispenser and Counter Assistant. Please say when lisengaged, experience, and salary (outdoors). 211/10, Office if this Paper.

ONDON, W.6.—Trustworthy Manager for easy branch; London experience; must have good references. Inquiries manswered three days respectfully declined. Write, call or phone (Riverside 0505), Venables, Chemists, 211 King Street, lammersmith.

VORTH WALES.—Qualified Assistant for responsible post, Welsh-speaking, accustomed to good-class trade; able to upervice. Send particulars of age, experience, and capabilities, nclose photograph and references, state when free. Apply to 11/17, Office of this Paper.

WEST-END.—Male, qualified Assistant, age 24-25, with good Dispensing and Counter experience; knowledge of Photoraphy useful. Apply 212/22, Office of this Paper.

WEST OF ENGLAND.—Wanted, qualified lady; must be fully experienced and capable of taking entire charge. teply, stating age, experience, salary required, etc., enclosing elerences and photograph, to 212/40, Office of this Paper.

THEMIST wanted, fully qualified, to be responsible for stock Unying and the supervision of three Drug Branches. Apply y letter only, endorsed "Chemist," stating age, experience, there employed at present, and wages expected, to General lanager, Leith Provident Co-operative Society, Ltd., 22 Baugor load, Leith,

OPPEN BROS. require a Locum (fully qualified) for their Richmond (Surrey) branch for two weeks commencing august 22; no Sunday work. Apply personally. 10-12, or by etter. Copper Bros., Ltd., 12½ Carey Street, Vincent Square, Vestminster.

JOSEPH WALLWORK & SONS, Chemists, Tyldesley, near Manchester, require a Junior Assistant until about ugust 31, 1932.

JUNE 18 TO JULY 9.—Wanted, Junior qualified Assistant; state wages; interview preferred; high-class Dispensing, tetail and Photo; small knowledge Optics heneficial; references sust bear full investigation. Enclose photo, to be returned. 8 Brighton Road, Worthing.

JUNIOR or Improver wanted for Gillingham, Kent, or young lady with some knowledge of Dispensing. Apply, giving sual particulars and salary, required, to F. G. Wells, 80 lattersea Bridge Road, S.W.11. Applications not anwered in even days respectfully declined.

ADY Assistant, qualified, for high-class seaside business in Lancashire; knowledge of Photography and Window-dressing ahility essential; permanency to smart up-to-date woman, inclose photo and state salary required. 212/30, Office of this aper.

DERMANENCY.—London, S.W.6. Young, single, qualified Assistant required, June 27, for good-class Family Dispensig husiness; must have had good experience of Private and I.H.I. Dispensing and Photographics; salary £3 10s. weekly; respects. Write, giving personal particulars, or 'phone for iterview Putney 1512. Humphrey, 53 Doneraile Street, ulham.

PHARMACY.—Female Assistant, unqualified or Hall certificate, required; must have general pharmaceutical and shop experience. Apply, in writing, stating age and experience, to Staff Manager, Royal Arsenal Co-operative Society, Ltd., 148 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy." Note.—Canvassing of members of the General Committee or officials will disqualify.

QUALIFIED Manager for new branch in good-class district, about beginning of August; must be gentlemanly, energetic, experienced, and capable. Apply, stating age, married or single, giving full particulars of engagement and experience, name salary required. 210/37, Office of this Paper.

QUALIFIED man, young, required for good-class business. Apply, stating full particulars, with photograph if possible, to Manager, E. Bing & Son, 41 St. George's Street, Canterbury.

QUALIFIED Manager, keen Salesman and up-to-date Window-dresser, required for industrial business in Nottinghamshire; large N.H.I.; knowledge of Wireless an advantage; house available. Send full details of previous experience, age, salary required, and when at liberty to 205/341, Office of this Paper.

QUALIFIED, energetic male Assistant, age about 25 years, required immediately as Junior during holiday period in good-class Dispensing and Retail business with Photographic sales. Experience and salary required to Gibson, Chemist, Wolverhampton.

QUALIFIED, lady or gentleman, required for branch shop in London, E.10; salary £3 per week with commission; state age, references, etc. 213/28, Office of this Paper.

S. F. CLARK, Chemists' Transfer Agent, Richmond, returns thanks to the numerous applicants for position of qualified Manager, which is now filled.

THE GLOUCESTER CO-OPERATIVE & INDUSTRIAL SOCIETY, LTD.—Wanted, qualified Chemist and Optician; must be thoroughly experienced in all branches of modern pharmacy; to take full charge of new venture; keen, energetic, and of good personality and with undeniable references. All applications to be endorsed "Chemist," and to be received at Brunswick Road, Gloucester, not later than 6 p.m. June 27, 1932, stating age, qualifications, salary required, and where at least three references may be obtained.

WANTED, qualified lady as Locum for two weeks, commencing June 20. State salary required to Mrs. W. E. Rule, 1 Ladywood Road, Tolworth, Surbiton.

YOUNG, qualified Assistant, 25-35, required at once for good country business, Loddon, Norfolk; indoors; good references. Apply, stating age, salary required, height, etc., with photograph, to A. Larder, 196 London Road South, Lowestoft, Suffolk.

WHOLESALE.

CHEMIST required by English Manufacturers who has experience in the Manufacture of Synthetics and Essences. Write Box 460, Sells Advertising Offices, Fleet Street, E.C.4.

LEADING Wholesale Druggists, near London, require Foreman for Wet Department; must have knowledge of "Wet" Preparations and experience in control of staff, stock and packing of orders. Write full details of experience, age, and salary required to 210/38, Office of this Paper.

MANAGER for Cosm. and Pharm. Prod. for new London office; well versed also in matters of publicity and organisation of mail-order house. Apply, stating age, former occupation, salary, and send photo, to S. A, de Drogueries, 219 Rue D. Lefevre, Brussels 2, Belgium.

REPRESENTATIVE wanted for old-established firm; commission only; fidelity bond; for South Coast, from Kent to Cornwall; must have connection with Chemists, etc., and own car; for Perfumes and Toilet Preparations. Write full particulars to 211/20, Office of this Paper.

To gentlemen having sound connection with Wholesale and Retail Chemists. The M.M.T.P. Co. are widening the scope of their activities (for their popular pack in carton) and offer a profitable proposition to commission Salesmen in centres where not already represented. Write for terms of this daily commodity, with unlimited prospects; give particulars, ground covered, lines carried. The Miss Muffet Toilet Paper Co., 1 Julian Road, West Bridgford, Nottingham.

TRAVELLERS and Agents wanted to introduce a new line of British Perfume on exceptionally good terms. Write for appointment. Associated Marketing Services, Ltd., 37 Finsbury Square, London, E.C.2.

WANTED, Laboratory Assistant with experience in the Manufacture of Perfumes and Toilet Articles. Apply. by letter, stating age, experience, and wages required, to Cussome, Sons & Co., Ltd., Lancelot Road, Wembley, Middlesex.

SITUATIONS WANTED.

RETAIL (HOME.)

A.A.A. —UNQUALIFIED, 21, desires engagement; objected to); 5 years' first-class Retail experience, Dispensing, Counter, Photographic; willing; ambitious; any district; now free; excellent references. Lovedale, 27 Oakland Road, Newcastle-on-Tyne.

A.A.A.—QUALIFIED, 24, tall, thoroughly experienced in anywhere; Wholesale, Retail, Hospital; excellent references. Evans, 42 Royal York Crescent, Clifton, Bristol.

A.A.—GRACE RENNIE, Pharmacist, as Locum; on L.C.C. register; now booking; highest credentials. "Craig-y-Don," Marina, St. Leonards-on-Sea.

A. A. -M.P.S., 26, keen, reliable, and energetic, desires post; first-class experience; excellent references. Baker, 103 Listria Park, N.16.

A.A.—SCOT, qualified, 25, conscientions, good-class experience, desires situation. Campbell, Craven House, Grove Road, S.W.12.

A.-LOCUM; qualified; long or short period; experienced alt "S. C. J.," 54 Priory Road, West Hampstead, N.W.6. 'Phone: Maida Vale 8212.

A.—QUALIFIED, DESIRES POSITION ANYWHERE IN BERTISH ISLES WHERE ENTERPRISE WILL BE APPRECIATED; 6 years' experience; efficient Salesman, good Window-dresser, exceptional Photographic exocrience; age 22; 5 ft. 6 in.; at present employed. 214/21, Office of this Paper.

A.—QUALIFIED, agc 38, seeks position as Manager or Senior; thorough experience; well recommended; at liberty one month. 213/33, Office of this Paper.

A PHARMACEUTICAL Chemist, 24. requires engagement; permanency preferred; well experienced; used to good-class business. W. Widdowson, 35 Dulverton Road, Leicester.

A DVERTISER, 19½, seeks quick change; willing worker; 5½ years' general experience. Cartlidge, 10 Brook Street, Walsall.

A MBITIOUS young M.P.S., with knowledge Optics; Assistant or Manager; low salary to start; now managing; good references. Asquith, 66 Dryclough Road, Huddersfield.

AS Locum or Assistant; abstainer; experienced; excellent reterences; disengaged. "G.," 142 Hill Lane, Southampton.

A S Locum or permanency by Assistant; 20 years' experience; unqualified; competent in N.H.I. and general management of Retail business. "B.," 17 Park Avenue, Leicester.

As Senior; unqualified; 57; tactful Counterman, Window-dresser, Dispenser; knowledge Photography and Wireless Sales. 116 High Street, Bloxwich.

A SSISTANT; unqualified; 4 years' mixed experience. Panel, Optical Repairs; Locum or permanence. "Medicus," 91 Stamford Hill, N.16.

 ${f A}$ SSISTANT; unqualified; 37; married; permanency or holiday relief; trustworthy; excellent references. "P.," 32 Lorne Street, Reading.

A SSISTANT; 25; tall; smart appearance; 10 years' experience, Dispensing, first-class Window-dressing, Photography; excellent references; disengaged. Jones, 17 Pontefract Road, Wombwell, Yorks.

A SSISTANT, 20, tall, desires permanency; reliable Dispenser, Counterman; 3 years' experience. A. J. Probert, 30 Cambria Road, Evesham.

A SSISTANT; unqualified; 25; married; London and provincial experience, Counter, Dispensing, etc.; splendid references; Locum or permanency; disengaged June 12. "Sept," 70 Chalk Farm Road, N.W.1.

A SSISTANT (26); unqualified: good Counterhand, fair Dispenser, experienced D. & P. worker; wage required £3; excellent references. 213/14, Office of this Paper.

A SSISTANT, unqualified, 25, tatl, N.H.I., Counter, Windows and Photographic, including D. & P., South Liucolnshire or London preferred, requires change; permanency. 213/32, Office of this Paper.

BIRMINGHAM or Midland area preferred, not essential; thorough experience; well recommended; Locum work undertaken. "H.," 64 Hunters Road, Birmingham.

CHEMIST available shortly for Locum or Manager; anywhere 20 years English and Continental Pharmacy; fluent French good appearance and address; excellent testimonials. Statterms—interview or post. 214/5, Office of this Paper.

EXPERIENCED, qualified Chemist, aged 24, tall, desires permanency; South England, seaside resort preferred; £4 10, weekly; available June 27. 213/20, Office of this Paper.

FOUR days weekly (Thursdays and Saturdays excluded) of full time, emergency or sickness relief; 20 years' experience exceptional credentials; unqualified. "Alpha," 41 Selwy Avenue, Richmond, Surrey.

Pully competent Assistant; unqualiffed; 26; height 6 ft. Public School; recommended; London, Birmingham, seasid experience; situation anywhere. L. Flatman, Church Cottag Withycombe, Taunton.

H. MILLS, M.P.S., Eastbourne, recommends his Assistan Dispensing and N.H.I., Photographic, and general shop routine Philip E. Stedman, 10 Cambridge Road, Eastbourne.

ADY, unqualified, desiring change; good experience, Counter Dispensing, Photographic; excellent references; Londo essential. 212/26, Office of this Paper.

LADY Dispenser (Hall), experienced, requires post as Locum any locality. 213/35, Office of this Paper.

OCUM; qualified; varied experience; registered R.P.U. vacant dates June 15 to July 9. Hoskins, c/o Arnold Chemist, Bideford, Devon.

TOCUM.—John G. Hawes (late of Bath) would undertak Locum engagements, July and August, in South or Wes England (Bath excepted). Address "Innisfare," 81 Sever Road, Weston-super-Mare.

LOCUM; qualified; experienced; 36; holidays or emergency any distance. Write for terms. Ridsdale, "Blendworth, Horndear, Hampshire.

LOCUM, qualified, 28, is open for bookings during whole of July; any district. Write 211/23, Office of this Paper.

LOCUM, M.P.S. (28), free June 13 to July 16; town, country George Lanceley, jun., Malpas, Cheshire. 'Phone 15.

LOCUM; experienced; competent; reliable; highest references town or country; disengaged June 13. "Chemicus," 50 Rudloe Road, Balham S.W.12.

LOCUM; qualified; single; 34; disengaged June 26. M Gregory, 50 Grove Lane, Camberwell, S.E.5. Phone Rodney 2719.

LOCUM; qualified; middle age; active; reliable; well recommended; moderate terms. "Chemist," 9 Saltcoats Road Bedford Park, W.4.

LOCUM. qualified, 25, reliable, seeks engagement June 2 to July 1; 8 years' references. 13 Octavia Street

LOCUM; qualified; middle-aged; absolutely reliable; vacan July 11 to August 13; also September. Jones, 70 Lo Road, Blackheath, S.E.3.

LOCUM; qualified; good experience; disengaged June 27 to July 9, July 25 to August 6, and after August 20. Mole 138 High Street, Teddington.

I OCUM, thoroughly reliable, with highest references, oper for bookings; any part; unqualified. "W.," 43 Quern more Road, N.4.

LOCUM.—Julius Cæsar, M.P.S.; exceptional experience at branches of pharmacy, desires Locum managements; excellent references. Cæsar, 3 Marine Terrace, Southsea.

LOCUM or Manager; qualified; competent; reliable; twenty years' West-End and varied experience; disengaged "Pharmacist," 18 Stanway Gardens, Edgware.

LOCUM; 40; unqualified; tall; free next two weeks, also two weeks from July 25; abstainer. Alexander, 189 South ampton Street, S.E.5.

LOCUM or part time; experienced; Dispensing, Counter Windows. Prescribing, Photography, Stock; moderate salary. "H.," 3 Cancell Road, S.W.9.

LOCUM; qualified; 36; West-End experience; free June 16 to July 2 and from August 14. 22 Eton Avenue, Eas Barnet.

MANAGER or Assistant; qualified; best experience; active am energetic; abstainer; moderate salary; now free. 214/7 Office of this Paper.

ANAGER; elderly; active; widower; small business; country or seaside; long or short period; small salary. 213/19, life of this Paper.

ANCHESTER DISTRICT.—Locum; qualified lady (23½); free July and August 1-14; 7 years' general Retail and varied ispensing experience. 211/28, Office of this Paper.

T.P.S., F.B.O.A., F.S.M.C., F.I.O., J.C.Q.O., experienced anager, seeks Locum or permanency. G. Wadham, 38 Wigmore oad, Worthing, Sussex.

1.P.S., elderly, as Superintendent, Locum, whole- or part-time Assistant; excellent experience; salary odcrate. 213/24, Office of this Paper.

I.P.S. requires Locum or permanency; excellent experioderate salary. For particulars and references write 213/9, nice of this Paper.

TOTTS OR DERBYS DISTRICTS.—Locum. part time or nermanent; unqualified; 20 years' experience, Dispensing, punter, Prescribing; single; tail; abstainer; good references. oward, 30 Pimlico, Ilkeston.

UALIFIED Chemist and Optician seeks position with goodclass Chemist and/or Optician in South Wales; good referces; Manager or Assistant; own apparatus. "Pharmacist," yeh Gate Café, Llandaff, Glam.

UALIFIED 10 years, 34, 5 ft. 7 in., married, active, trustworthy, all-round capabilities, seeks eituation with more ope and prespects; present managership, London, 6 years. 1/30, Office of this Paper.

UALIFIED Manager, age 29, married, requires a permanent position in either a South-East, South-Coast or country wn; seaside, suburban and London experience; excellent indow-dresser, with good knowledge of Photography and ptics; the post must be a progressive one, having a good lary; can be at liberty in one month if necessary, or can wait by time for suitable post; can arrange to visit for interview. 13/25, Office of this Paper.

NQUALIFIED; 42 years; experience Dispensing or Counter; first-class references; 20 years' practical experience in eveloping and Printing; London or district; no Sunday work. Adelaide Road, Shepherd's Bush.

JNQUALIFIED (Part I); age 23; taM; knowledge of Photography; capable Dispenser; good references; free in six eks. Sharpe, 69 Grayshott Road, Portsmouth.

WHOLESALE.

FIRST-CLASS Representative, experienced Proprietaries, Toilets and/or Perfumery, requires engagement; excellent les record; live, complete connection North-West territory; holesale and Retail; good references; disengaged. 212/29, ffice of this Paper.

LIVE, experienced Representative, well known, sound connection, desires change; pharmacy trained; proved salesan; expert propagandist; moderate remuneration. 211/18, fice of this Paper.

SUGAR Coater; 24; disengaged; reliable; thoroughly experienced; good references. Write 211/12, Office of this aper.

DVERTISER with long experience, fully conversant with all branches of the trade, Manufacturing and Buying; whole part time; used to controlling large staff. 213/6, Office of this aper.

N efficient young Chemist (M.P.S.) seeks appointment with good house; manufacturing preferred; some knowledge of holesale; would invest. 213/26, Office of this Paper.

XPERIENCED qualified Representative; connection Chemists, Hairdressers, also Medical and Dental Propanda; London and South-Eastern counties; excellent references. 2/38, Office of this Paper.

NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensues. Strict attention to this detail will be appreciated.

PATHOLOGICAL Laboratory Assistant (male), middle-aged, fully qualified and experienced in all branches, seeks post; whole or part time; Medical or Commercial. 210/26, Office of this Paper.

PERFUMER, young, keen and intelligent worker, desires change with progressive company; competent in all branches of Perfumery. 212/7, Office of this Paper.

DERMANENT position (with prospects) in Wholesale House. Advertiser is 25, with 6½ years' Pharmacy experience, holds the I.C.S. Salesmanship Diploma, and is a qualified Optician. P.C.B. 38/7, Office of this Paper.

 \mathbf{R} EPRESENTATIVE, 32, first-class connection with Wholesale and Retail Chemists and Hairdressers throughout Scotland, desires change; drive car; salary, commission and expenses preferred. 209/34, Office of this Paper.

REPRESENTATIVE, with 15 years' strong and personal connection with every Retailer and Wholesaler in London and suburb, open for re-engagement with good house. N. H. Moore, 28 Wadeville Avenue, Chadwell Heath, Essex.

CALESMAN, several years' live connection (all lines), East Midlands and North of England, desires the representation of an up-to-date firm; own car; resident Leeds; salary, expenses and commission basis. 212/8, Office of this Paper.

S TOCKTAKER, 25, wide experience, Wholcsale and Retail, requires progressive position; Sales Representative preferred: good appearance; excellent references. "S. A.," 63 Pemberton Road, East Molesey, Surrey.

WELL-KNOWN Representative, established connection, London, South Coast, desires berth; expenses, commission basis would be considered; own car. 213/37, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN.

CERMAN Chemist and Druggist, German approbation, Chinese licence, wants position in foreign country; speaks German, English and French; has been in Shanghai; Prescription Manager; knows all departments, wholesale, hospital and ships' supply; firm in all kinds of analyses. Write to Richard Cornelius, Apotheker, Kur-Apotheke, Bad Reichenhall, Germany.

FOR SALE.

(Articles to the value of £5-£50.)

CASH Register for Sale; large cash capacity; "National" make; suit any business; in good order. Write A. Wells, 88 Sandilands Road, Fulham, S.W.

**P. APPARATUS.—Enlarger to take negatives up to 20 x 16; Turbine Print Washer, Easign Print Drying Cupboard for ferrotype plates, two drain-pipe Developing Tanks with eemented bottoms, accessories such as Enlarging Easel, Postcard Enlargement Holder, Ruby and Orange Globes, Film Developing Clip and Weights, etc.; cost nearly £50; best offer secures. Can be seen at Brodribb's Pharmacy, 4 King's Cross Bridge, King's Cross, N.1.

FOR Sale, Microscope, 2 and 3, sliding tube, coarse ferew, fine adjustment, £3 17s. 6d.; Ophthalmoscope, luminous, "May" model, 40s., cost £3 2s. 6d.; Practice Eye, 23 interchangeable fundi, 35s., cost £3; each in case and in good condition; Posta's Course, B.O.A. or S.M.C. Supplementary Diseases of the Eye, cost 42s., 15s. 6d. Gatehouse, Chemist, Caerphilly.

FOR Sale, 8 ft. Mahogany Counter, 6 ft. Mahogany Dispensing Screen, 8 ft. Counter Case and Ticket-issuing Till. Particulars from Owens, Chemist, Kinson, Bournemouth.

MISCELLANEOUS.

A FIRST-CLASS PHARMACY, £69 10s., IN OAK.—10 ft. Drug Fixture, 30 drawers, solid oak fronts, two cupbeards with solid oak panelled doors, oak-faced shelves, poicon cupboard with plate-glass mirrored door; 8 ft. Counter, solid oak top, show case front; 9 ft. Wall Case, solid oak, show cases to top and flower sections; 6 ft. 6 in. Dispensing Screen and Counter, bevelled mirror centre; Show Case with plate-glass shelves. Call or post your requirements to RUDDUCK & CO., 219/227 Old Street, London, E.C.1.

CHEMISTS' FITTINGS.—We hold an immense stock of Drug Fittings, Dispensing Screens, Glass Fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate-glass Counters, Cash Tills, Display Stands and Glass Shelves, etc., ready for immediate delivery at competitive j. ces. Write or call for List. F. MAUND & B. BERG (SHO, VCASES), LTD., 175/9 and 336 Old Street, London, E.C.1.

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Stock of Photo Goods
Why keep them any longer? Turn them into CASH.

Why keep them any longer? Turn them into CASH.

I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.

S. E. HACKETT, 23 July Road, Liverpool

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should join at once

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Benefit—Free Use of Employment Bureau.
Write for particulars—ARTHUR J. GILLIAN, Gen. Sec.
149 NEWINGTON CAUSEWAY, LONDON, S.E.1

CHEMISTS' Fittings, direct from manufacturer; soundly constructed in oak and mahogany; 8 ft. Drug Run. £18; 6 ft. Dispensing Screen, £14; 6 ft. Showcase Fronted Counter, £8 5s.; 6 ft. Wall Case, £11; 6 ft. Glass Counter, £8 15s.; Counter Case, 30 x 24 x 18, £2 5s., etc. Send now for photographs, or call and inspect. MYERS, Complete Chemist Fitters, 154a Kingsland Road, E.2, pear Shoreditch Church. Bishopsgate 2524.

CHEMISTS' FITTINGS-MUST BE SOLD. — Drugüttings, 14 ft., 12 ft., 10 ft. and 8 ft. long; Wall Cases, 10 ft., 9 ft., 8 ft., 7 ft. and 6 ft. long; Dispensing Screens, 8 ft., 7 ft., 6 ft. and 5 ft. long; Serving Counters, all lengths; two Tallboy Cases. Also set in Oak: 10 ft. Drugütting, 8 ft. Wallcase, 8 ft. Counter, 6 ft. Dispensing, Screen, two 4-ft. nests Counter Drawers. Sketches by return. GEORGE COOK, The Working Shopütter, 27 Macclesüeld Street, City Road, E.C.1. 'Phone: Clerk, 5371.

TO CHEMISTS OPENING.—Bargains—all through—best quality Mahogany Shop Fixtures. Wail Case, clock pediment, 8 ft. 6 in. x 6 ft. x 6 ft.; two nests Drug Drawers, 6 ft. x 3 ft. x 1 ft. 2 in., 4 ft. x 3 ft. x 1 ft. 2 in.; 3-bottle Shelving, mirror back, 6 ft. x 5 in. and 6 ft. x 6 in.; Cupboard, three doors, 6 ft. x 5 ft. x 1 ft. 6 in.; Nest Drawers, walt case above and 18 drawers, 11 ft. x 8 ft. 6 in. x 1 ft. 4 in., pispensing Show Case, 5 ft. 6 in. x 1 ft. 8 in. x 4 in., mirror back, 11 bevelled glass shelves; glass mounted Serving Counter, drawers at back, 9 ft. 6 in. x 3 ft. x 2 ft.; Ccunter Case, 9 ft. x 2 ft. x 10 in.; Dispensing Bench. 10 ft. x 3 ft. x 1 ft. 9 in.; Shop Scales and Weights, Cash Till, Suppository Mould, etc.; all recently valued £150; £50 quick deal. "CHEMIST," 139 Breck Road, Anfield, Liverpool.

£100.—COMPLETE SET OF PHARMACY FITTINGS types in oak and suitable for beginner or branch. Full details, sketches and particulars from or call and see at PHILLP JOSEPHS AND SONS, LTD., 90/92 St. John Street, Clerkenwell, E.C.1. Telephone: Clerkenwell 2191. "Pharmacy fitters for over a Century."

COMPLETE CHEMIST FITTINGS at any price you wish to pay. We have erected in our showroom a Complete Chemist Shop with Metal Shop Front, Window Backs, Correct Window Lighting Signs and Modern Interior Fittings. Apply for Lists. D. MATTHEWS & SON, LTD., "The Liverpool Shop Fitters," 14 and 16 Manchester Street, Liverpool. Est. 1848.

EXCHANGE COLUMN.

2d. per word: Minimum 2s. (Box No., 1s. extra.)

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(Articles up to the value of £5.)

AUTOWAY PERSONAL WEIGHING MACHINE; dial model; cost £30; condition and appearance perfect; best offer secures. 208/28, Office of this Paper.

1-12-IN. oil immersion Microscope Lens; Leitz preferred; state price. 211/110, Office of this Paper.

SECOND-HAND STILL, Stokes' or similar, capacity 20 gallons per hour or over; steam heated. Apply 211/22, Office of this Paper.

"The Chemist and Druggist"

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The teuth edition of this, the most complete pharmaceutical formulary in the English language, comprises (1) selected formulas from the British, United States, and several other pharmacopoeias; (2) monificial formulas from hospital pharmacopoeias and other sources, British, colonial and foreign; (3) known, admitted and approved remedies (2:13 pages) taken from previous editions of "Pharmaceutical Formulas" and from THE CHEMIST AND DRUGGIST Diaries; (4) concise descriptions of practical methods of manufacture, adapted to the retail shop; (5) an Appendix comprising laws and regulations governing the sale of poisons, the hours of closing, medicinestamp duty, the use of spirits and many other data—e.g., a solubility table and chart. The volume contains 11:16 pages. Price 15s., by post 15s. 9d.

contains 1146 pages. Price 15s., by post 15s. 9d.

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The tenth edition of this well-known work is now ready. The book has been thoroughly revised and considerably improved, while maintaining the features which have made it so popular with several generations of students. It is kept by chemists in the dispensary for ready reference in cases of difficulties arising in the course of the day's work. Price 8s., by post 8s. 6d.

VETERINARY COUNTER PRACTICE.

Chemists interested in veterinary practice will find it indispensable, as it deals with the ailments of horses, cattle, sheep, pigs, dogs, and poultry, and the remedies that can be supplied. New edition 1930 (Eighth) brings this book thoroughly up to date. Price 7s. 6d. net, by post 8s.

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ARMACEUTICAL BOTANY.
An attractively written book dealing with the plants mentioned in the examination syllabus of the various pharmaceutical examining bodies. Botanical terms which at first sight are forbidding in appearance are explained so that the meaning is made crystal clear. A useful gift for apprentices and assistants who have not passed the qualifying examinations. Price 5s., by post 5s. 4d.

THE PHOTOGRAPHIC CHEMIST.

This is a concise guide to chemists communing and carrying on a photographic department. The book is a reprint of the treatise in THE CHEMIST AND DRUGGIST DYARY, 1926, with additional chapters and formulas. Price 3s. 6d., by post 3s. 8d.

The "C.&D." PRICE LIST FORMULARY, "P.L.F." All users of the C. & D. Retail and Dispensing Price List require a copy of this Formulary. It brings together the formulas for unofficial preparations, the prices of which are quoted in the Price List. It is a choice collection of good formulas for articles in every day request by the public. Price 2s. 6d., post free.

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PRACTICAL METHODS OF URINE ANALYSIS.

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A small book which explains the meaning of medical terms as to which explains the meaning of medical terms as to which enstoners often inquire from chemists. In addition to concise definitions of these technical terms, notes are given on treatment of the more important ailments. Price 3s. 6d., by post 3s. 8d.

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Uniform with the "Chemists' Dictionary," contains 296 pages and consists of formulas for medical prescriptions used in twenty-two hospitals and infirmaries in Great Britain outside the London District. Price 3s. out, by post 3s. 2d.

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